

\$36,000 given

Dupont grant aids research

MIT has received a grant of \$38,000 from the E. I. Du Pont Company's annual program of aid to education, it was announced Sunday.

The grants are intended to strengthen the teaching of science and engineering, particularly at the undergraduate level. Other applications include fundamental research and new facilities.

Research, grad study

\$25,000 of the grant will go towards fundamental research and graduate study in chemistry, physics, chemical engineering and mechanical engineering. \$5,000 will be allotted to the advancement of the teaching of chemistry, and the same amount to the advancement of teaching of engineering.

Baker memorial teaching award nominations open

The Everett Moore Baker Foundation has announced that nominations are now being accepted for the fourth annual Baker Award for Outstanding Undergraduate Teaching. The purpose of the award, made in the name of the late Dean of Students, Everett Moore Baker, is to recognize and encourage exceptional interest and ability in the instruction of undergraduates. The award is given to young faculty members, below the rank of full professor, who have demonstrated that they are truly interested in undergraduates, both in and out of the classroom. Previous recipients of the award were Allen Lazarus, 1963; Amar Bose, 1964; and Edward Holt, 1965.

Nominations due March 15

Nominations for this award may be made by any MIT undergraduate. They should be submitted in writing before March 15 to Kenneth Ault, Senior House, 4 Ames Street, Cambridge, Mass. 02139. The committee wishes to emphasize that a nomination need consist of only a letter explaining why the nominee deserves the award. Nomination petitions are not necessary.

The award, consisting of a \$250 honorarium and a bronze medal, will be presented April 22 at the annual Awards Convocation.

The Baker Foundation was established in 1951 to perpetuate the memory and extend the ideals of Dean Baker, who was Dean of Students from January, 1947 until his death in an airplane accident in August, 1950. As Dean of Students, Dr. Baker was noted as a strong proponent of student freedom, and worked constantly to establish a congenial atmosphere for student life. One of his major interests was promoting international relations among students.

Students implement projects

The Foundation is a non-profit, philanthropic organization whose projects are implemented by a student committee with the assistance of a faculty advisory board. The Committee uses the income of the Foundation on such projects as the Baker Award, assistance to students interested in service in foreign countries, and otherwise honoring the memory of Dean Baker.

Anyone having knowledge of a potential project which would fulfill the purposes of the Foundation is encouraged to bring it to the attention of any of the members of the Committee. The current members are Kenneth Ault '66, Howard Brauer '65, James Funderburg '66, John Adger '66 and William Hau '67.

Basketball tonight
MIT-Kings Point
8:00 pm—Cage

The work to be supported will be chosen by the recipient departments but should be research beyond that possible with the normal resources of the department. Researchers are free to publish the results of their work.

Program expanded

The Du Pont program, which started in 1918, was primarily involved with university research for many years but was broadened in recent years to cover many other needs of education. The greater emphasis on teaching in the 1966 grants reflects the concern often expressed by educators for the need for improving teaching. This year's grants, distributed among 213 colleges and universities, totalled \$2,200,000, of which \$887,000 went to teaching.

Waiting ...



And waiting ...



Registration runs smoothly

By Dave Kaye

Expressing mild disappointment at being unable to provide The Tech with the usually long registration lines to photograph, Mr.

Richard Randlett, assistant registrar, characterized this term's registration as "the best we've had."

Although computer operations were suspended for some five minutes at about 10 a.m., only a ten minute delay resulted for a small number of students. Mr. Randlett concluded that no major problems developed.

Monday's uniquely smooth and efficient registration may be attributed both to the relocation of roll card lines from building 10 to building 13 and to better student cooperation.

Unlike most spring terms, very few students attempted to register for courses not being offered. Another change involved in registration procedure was the switch of student identification numbers from the Institute-ordained student numbers to the individual's social security number.

As Mr. Randlett suggested, a great deal of work went into reorganizing registration, and we can only concur with his hope that future registrations go as smoothly.

2-S nearly assured

Qualifications exam revived for new student deferments

By Dave Hfeld

Are you worried about the draft? If so, recent developments related to the War in Vietnam concern you. A qualifications exam for student deferments, given throughout the nation until 1962, is being revived.

Meeting with Hershey

Mrs. Eleanor Lutz, the Selec-

tive Service adviser, recently met with General Louis Hershey, the head of Selective Service. Mrs. Lutz stated that during the Korean War, tests were given to students to standardize the requirements for a 2-S deferment. These tests will be offered twice in April and once in May.

To receive a student deferment for the academic year 1966-1967, you must take this test. Information concerning when the test can be taken will be posted in the future.

Passing grade secret

The specific scores needed for deferment are undisclosed; however, it should be very similar to the Korean War requirements. It is most likely that seniors will have to be in the top half or quarter of their class or otherwise score above 75 or 80. For freshmen through juniors, 70 would be a passing score. Deferments can also be obtained by being in a certain top percentage of the class. Lest this arouse your anxiety and motivate you for a 5.0 cum, you can lay the books aside, for any MIT student should be able to pass the test with little difficulty. The implementation of the test is advantageous to the Techman for he is compared to all of the nation's students.

Scores may be obtained by writing to your local board one month after taking the test. There is a distant possibility that all 2-S deferment may end in June due to the usage of this test. If so, then you should get a completed form from the registrar in July concerning your request for deferment.

Age limit stable

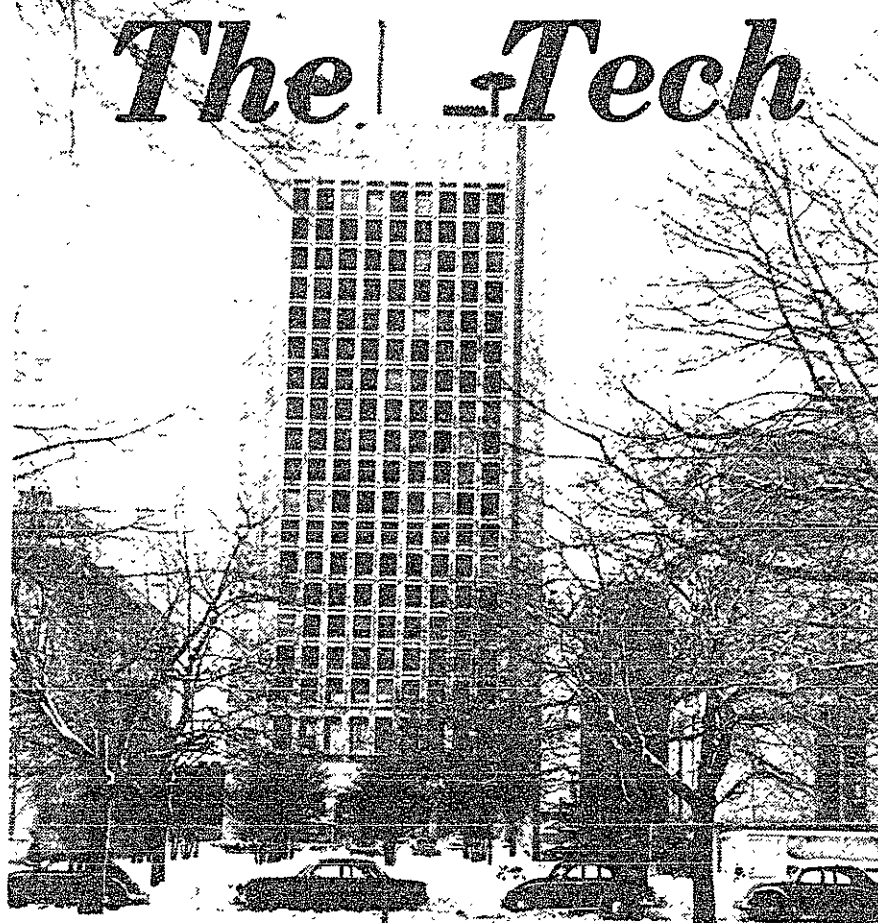
Mrs. Lutz emphasized that there is too much concern over extended liability, the raising of the upper limit of drafting from 26 to 35. "In March, 1956, President Eisenhower issued an Executive Order stopping the drafting of men 26 and over until every man under that age had been inducted." This policy is still being followed and from all indications will be continued indefinitely. Thus the fact that a student with a deferment has extended liability should not be of any concern.

Melcher honored by Eta Kappa Nu for work in EE

Eta Kappa Nu held its fall term initiation and banquet Saturday, January 8. Founded at the University of Illinois in 1904, HKN has grown into a respected national honorary which seeks to recognize those students and professional men who have excelled in the field of electrical engineering. Each pledge term one faculty member is invited to join HKN. In recognition of his outstanding contribution to electrical engineering at MIT, Dr. James R. Melcher, Assistant Professor of Electrical Engineering, was so honored this term.

In addition, fifty-four undergraduates were chosen for their outstanding scholarship and leadership in EE; Enrico I. Ancona '67, David E. Avrin '67, Donald J. Bosack '67, Richard H. Bryan '67, Robert T. Calvert '67, Peter J. Catto '66, Ibrahim B. Chammass '67, Julian Cheng '67, W.E.S. Christiansen '67, George Coombe '67, Morton J. Cowan '67, Michael

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Vol. 86, No. 2 Cambridge, Mass., Friday, Feb. 11, 1966 5c

SSRS panel evaluates portrayal of MIT by BBC documentary

The panel discussion on the BBC film, sponsored by the society for Social Responsibility in Science began by considering the accuracy of Dennis Postal's portrait of MIT in the film and from there went on to consider such issues as the scientist's responsibility for the use of his work.

The participants in the panel discussion were Dean Gordon Brown; Professors G. E. Valley, Cyrus Levinthal, and David Schalk, and Research Associate Jerome Lettvin.

The panelists generally agreed that the film was more right than not. Dean Brown said that he had corresponded with Postal, who had said that he "never thought that it would be seen by you people." One must consider the significance of the title, "How To Be First." Postal wanted to show the British public the price of MIT's, and the USA's, pre-eminence; the dedication, work, vastness, and pressure. The point was raised that Postal thought of MIT as a microcosm of the United States, and this might explain his emphasis upon the military aspects. Prof. Levinthal said that he had argued with him over the relevance of Lincoln Laboratory to MIT as a whole, and that Postal had the impression that it played a dominant role.

The discussion later centered around the social responsibility of the scientist. Should the scientist work on a research project for the military if he knows that its

main purpose is the development of more efficient ways of waging war? Here, there was a sharp disagreement on the panel, and the discussion took almost the character of a debate between Prof. Levinthal and Dr. Lettvin.

Prof. Levinthal said that although he did not believe it was wrong in all cases to do research work for the military, it is necessary for the scientist to consider the circumstances and the application which might be made of his work.

Lettvin took the opposite point of view. His position was that the military had always supported sci-

(Please turn to Page 3)

Accidental drowning

Grossfeld search ends; body found in Charles

The search for Fred Grossfeld, missing since November 30, ended with the discovery of his body Tuesday. Miss Heeln Shoemaker, a resident of Beacon Street, found the body encased in the ice in the Dartmouth Street lagoon of the Charles basin.

Dr. Michael Luongo ruled that the cause of death was drowning. An autopsy failed to disclose any wounds or bruises, and no suicide note was found. According to Dr. Luongo, there is nothing to indicate that Grossfeld's death was not accidental.

The discovery of the body, and the ruling out of foul play put an end to rumors that Grossfeld had been kidnapped and was being held for ransom. It capped a search that included the help of the FBI, whom Grossfeld's father, Israel, had persuaded to enter the case. Grossfeld was in Boston to aid in the search, and was on hand to identify his son's body at the South Mortuary. There is no word whether Miss Shoemaker will attempt to claim the \$3,000 reward offered by Grossfeld's father.

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IN THE NEW M.I.T. STUDENT CENTER



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TELEMANN—Musique de table, production numbers 1 & 2—Archive, M 7.80, S 7.80
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THE TECH COOP
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Foreign Adviser tells of more opportunities

(Ed. note: Recently Richard Krasnow '67, Chairman of the Foreign Opportunities Committee, has been writing articles for The Tech concerning opportunities for study in foreign countries. John T. Norton, MIT's Foreign Study Adviser, has written to inform us of additional opportunities, described below, which will be covered in future articles by Krasnow.)

A recent article in The Tech outlined an opportunity for MIT undergraduates to spend a year of study at the Technical University of Berlin. Other opportunities exist in Universities and Institutes

of Technology of university level in Western Europe, particularly France, Germany and Switzerland.

The MIT undergraduate has essentially two alternatives. The first is to apply to the chosen school as a foreign student through the regular channels, and if accepted, to enroll and work out a suitable program of studies.

The second alternative is to enroll in a formal overseas program sponsored by another American

university or a private organization which is open to MIT students.

Each alternative has its advantages and disadvantages, and there are several obstacles which the student must consider carefully. The first is the language requirement.

A second obstacle is the transfer of academic credit for work done abroad to meet MIT degree requirements. Finally, there is

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Role of scientist studied at meeting of SSRS panel

(Continued from Page 1)

entific research from the Renaissance onward, and that things were no different now than they ever had been. It was not the duty of the scientist to concern himself about such things.

Dr. Herbert Meyer, advisor to the SSRS, then spoke from the audience. He said that we are no longer in the seventeenth — that man now has the capability,

given him through science, of destroying civilization. His point was that to pretend that the use to which one's research will be put is unimportant — is to be morally irresponsible. It was at this point that he brought up the security officers at MIT, which Prof. Schalk mentioned in his letter in Tuesday's issue.

Lettvin maintained that these are merely pro forma, and wield no real power that has ever come to his attention. He rejected the idea of a scientist's obligation to society as a whole. He stated that he feels concern and responsibility only for the people whom he knows, and that beyond that any responsibility becomes too vague and diffuse. Prof. Schalk stated that this seemed to him a very short-sighted view of morality.

Petitions available in Incomm office for candidates

Campaigning is beginning to get under way for MIT Undergraduate Elections, to be held Tuesday, March 1.

Several of the candidates have already picked up their petitions. These petitions, with the necessary signatures, must be in Room W20 - 401 (Student Center) by 4 pm Friday, February 18. The petitions must have signatures of 10% of the eligible voters.

Some of those campaigning have sent out letters to all the undergraduates.

Roxbury program lacks tutors

Tutors are now needed for the Roxbury Arithmetic Project, a new supplementary program for the fourth through sixth grade children in Roxbury and North Dorchester, which will be run under the auspices of the MIT Social Service Committee. Classes will be small — about 5 students per tutor — and will meet one afternoon a week.

The program has two objectives: to help the children with their homework and to help them develop sound mathematical backgrounds, using stimulating new materials developed by Educational Services, Inc. (ESI). There will be a short organizational meeting Friday at 4 pm in the Jackson Room (10-280), followed by a two-session introduction to the ESI materials.

Interested persons who cannot attend the organizational meeting may leave their names with the Social Service Committee secretary in Room 441 of the Student Center or may call x2894 or dl 9-728.

Class rings due by next Tuesday

A representative from the Dieges and Clust Jewelers will be in the Lobby of Building 10 Tuesday, February 15 from 10 a.m. to 4 p.m. to distribute class rings to those who were unable to pick them up last term. Any complaints or special requests should be taken up then. This will be the last visit from the company until May.

American takes lead

Half-fare student plan introduced by airlines

By Roy Benevise

The youth half-fare plan, started by American Airlines last month, has caught on with the other airlines, and now many of the major carriers in the US offer some kind of reduction of fare for students under 22.

American, United, TWA, and soon Eastern Airlines will offer basically the same plan. To clarify many questions that have arisen about this plan, United's MIT Campus Representative, Paavo Pyykkonen '67, has outlined the procedure for a student using these fares.

ID card required

An identification card, which must be presented when purchasing the reduced fare ticket and be carried by the student while on flight, can be obtained directly from the airline by showing adequate proof of age, in the form of a birth certificate, driver's license, or draft card.

United is attempting to simplify this procedure by working out an arrangement with the Registrar's office to certify students' ages. The cost of the card, which is valid on all the airlines offering the plan, is \$3.

Regular fare halved

A student will be able to fly at 50% off regular coach rates when there is space available on the flight. He should purchase the reduced fare ticket an hour before flight time, and he will be placed on standby—after the Military. If there is room on the plane, the soldiers get on first, then the students.

Once the student boards the plane, he will not be removed at intermediate stops except for full-fare passengers holding confirmed reservations. When the information is available, the student will be advised by the airline before boarding his flight if full-fare passengers are expected to be boarding at intermediate stops.

Valid year round

The half-fare plan will be valid all year round, except at periods of peak air travel, such as Thanksgiving, Christmas and Easter, when seats wouldn't normally be available anyway. Finally, Pyykkonen points out that information is available from United about planned seat availability prior to departure. Students would be well advised, he says, to call him or United reservations to check on stand-by chances for their desired flight a day or two before departure.

Eastern Airlines, which will put its plan into effect on Feb. 19, advised that the reduced fare applies only to flights within the United States, and does not apply to Canada or the Caribbean. Eastern also plans to have reduced fares on its shuttle flights to New York and Washington, but warned that they would not put on extra planes to accommodate students at half-fare.

Modified youth plan

Allegheny Airlines is offering a modified Youth Plan, which requires a \$10 identification card which has to be purchased yearly. They offer one-third off regular rates for passengers under 22, and they will give reserved seats. This plan, unlike the others, is also valid on holidays. The Identification Card may be purchased at the airport or at the ticket office in Boston. Or you can call Allegheny, and they'll mail you an application form.

The Youth Half-Fare Plan seems to be catching on quickly, and all the airlines are jumping on the bandwagon. National and Mohawk are both seriously considering it, and so is Pan American.

Eta Kappa Nu holds initiation of students

(Continued from Page 1)

A. Crane '67, Peter R. Denton '67, Robert H. Domnitz '67, Stephen B. Douglass '67, John C. Ebert '67, Adrian E. Eckberg '67, Joseph Ferreira '67, John H. Fitz '67, David A. Garbin '67, Howard J. Greenbaum '67, Felipe Herba '66, John B. Hiatt '67, Alan R. Hirsch '67.

Also chosen were Frederick A. Hottes '67, Charles F. Hottinger '67, Thomas K-y Hsu '67, J. Russell Johnson '66, Louis G. Johnson '67, Kenneth K. Kaiser '66, Richard F. Koehler '67, Jeremiah R. Lowney '67, Mark M. Mitchell '67, Gregory F. Pfister '67, Paul L. Poehler '67, Christopher L. Reeve '67, Paul F. Salpante '66, Robert E. Schwartz '67, Jeffrey H. Shapiro '67, Thomas E. Sharon '67, Richard A. Simpson '67, Marvin A. Sirbu '66, Thomas L. Smith '67, John R. Solin '66, Karsten Sorenson '67, John M. Steele '66, Wayne P. Stevens '66, Michael L. Telson '67, Gerard L. Tomanek '67, James C. Tsang '67, Edison T-S Tse '67, Eugene L. Venturini '67, Peter L. Wessel '66, Charles Ying '67.

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Out to lunch

MIT, like any other busy place, has its share of minor day to day annoyances designed to try the average person's patience. One of the worst of these petty problems is caused by usually efficient and helpful Institute offices which simply shut their doors at noon each day while the entire office staff departs for lunch.

The worst offender in this particular category happens to be the Registrar's Office. The functions of this office insure the fact that large numbers of students are required to trek to the Daggett Building and visit its domain each day. But pity the poor student who takes advantage of his lunch time break in classes to straighten out his affairs with the Registrar's Office; all he finds after his long walk is a locked door.

Perhaps Mr. Wells has a good reason for closing his office for lunch, maybe the office staff has a traditional running bridge game. Or maybe Mr. Wells is not aware that the hour from noon to 1 pm is the most convenient hour for a large percentage of the student body to settle its affairs with his office.

Whatever the reason, we urge Mr. Wells to consider having half his staff lunch from 11:30 to 12:30 and the other half from 12:30 to 1:30. We feel that the small inconvenience to his staff would

more than be outweighed by the increased convenience to the rest of the community.

The Registrar's Office is not the sole offender. Another particularly bad situation occurs at the Office of Laboratory Supplies stockroom on the fourth floor of Building 4. Here the main supply room for the organic labs is also closed from noon to one. This really hurts the undergraduates who take 5.412, the first term organic lab course. These students are allowed the hours of 12 noon to 5 pm one day each week to complete a long and rigorous experiment, yet the first hour of this period is often partially wasted because they cannot sign needed equipment out of the stockroom.

To add to the confusion, the line which forms at 1 pm, made up of numerous research associates and students who need equipment for their afternoon's work, is often long enough to add an even longer wait for the would-be chemists.

We hope these and other offices will seriously consider extending their vital services over the noon hour.

Editorial policy

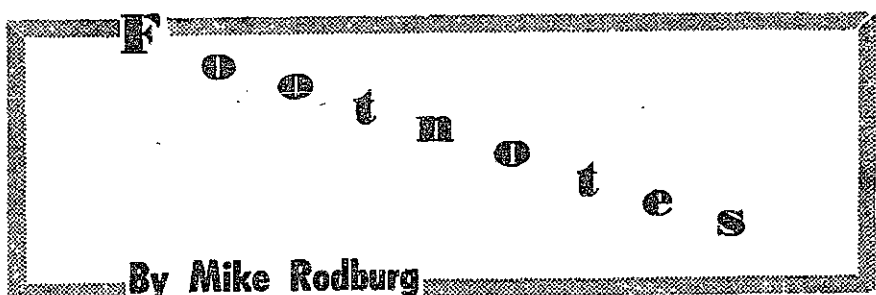
Realizing its responsibility to the MIT community, Volume 86 of *The Tech* will attempt to present original and constructive editorial viewpoints on the events and issues of the coming year.

Unsigned editorials will directly present the views and opinions of the Editor, Chuck Kolb '67, and his Editorial Associate, Jeff Stokes '68. The opinions of *The Tech's* complete Board of Directors will also be represented. Editorial policy cannot and will not be allowed to be dictated by any individual or group other than this Board.

The opinions of the student body and staff of the Institute, as well as those of the general public, are eagerly solicited. Comment on editorials, *The Tech* in general, or issues of interest may be submitted in the form of letters to *The Tech* by mailing said comments to PO Box 29, MIT Branch, Cambridge, Mass., 02139 (US Mail) or Room W20-483 (Institute Mail). We request that letters be reasonably coherent, readable, as concise as possible, and signed. Names will be withheld on request.

In addition to letters, the editorial pages of *The Tech* are open to signed editorials by any member of the MIT community. Such editorials will be printed if, in the opinion of the Editor and the Board of Directors, they are well written, represent an interesting and legitimate viewpoint, and refrain from undue slander.

We hope to present editorial comment on a wide variety of topics ranging from the small pains of life at the Institute (see Out to lunch) to major issues affecting MIT and or colleges, students, and our life in general. We hope you will read and react.



By Mike Rodburg

4. A Puerto Rican snail weighing 1.2 grams has a maximum strength of .40x10 to the minus 6 horsepower. A quick calculation informs us that it would require a mere 25 million snails to produce one horsepower. This astute fact was determined by MIT scientists who measured the little dynamos by fitting them with tiny harnesses and training them to pull small loads in a "snail training arena."

This information is far from useless, however, to the 100 million people around the world afflicted with schistosomiasis, a debilitating disease transmitted by snails. In Egypt about 90 per cent of the population suffers from the disease contracted from the snails, which abound in the canals of the Nile River irrigation system. The studies showed that the snails cannot keep a foothold in the bed of a stream or canal if the water moves with a velocity of 1.3 miles per hour. Proper engineering of canals will dislodge the snails and thus eliminate the disease.

5. Dr. Charles Draper, head of the Aeronautics and Astronautics department and director of the Instrumentation Lab, has been named chairman of the Institute of Navigation's Space Meeting to be held at the Somerset Hotel this spring. Dr. Draper's team of scientists, engineers, and technicians at MIT is working on the US Ap-

ollo guidance and navigation moon system. The meeting will emphasize the rendezvous, mid-course, landing, and return aspects of a lunar mission.

6. Three MIT professors were among 29 American scientists and physicians from Harvard and other nearby institutions who condemn the use of crop-destroying chemicals by American forces in Vietnam. US aircraft had sprayed rice crops with a "commercial weedkiller, identical with a popular brand that many Americans spray on their lawns." The chemical is not poisonous to humans but is capable of destroying 60 to 90 per cent of the crop. The areas selected were of major military importance where guerrillas grew their own food or where the population was willingly committed to their cause.

In protesting the action, the statement said that the attacks were "barbarous because they indiscriminate." In addition, they increase the risk of other nations using chemical warfare. It concludes: "We urge the President to proclaim publicly that the use of such chemical weapons by our armed forces is forbidden, and to oppose their use by the South Vietnamese or any of our allies."

7. The construction in progress on the first floor of building four is for a vault. The Dr. Draper's team of scientists, as to house the Treasurer's MIT records.



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Steven Silverstein '68, Harold Iuzzolino '66
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Front page photo of the Earth Science Building taken by George Jelatis.

Letters to The Tech

Dump on The Tech

To the Editor:

Long have I waited for the well-rounded analysis that raises a campus newspaper above the ordinary and the mediocre. Since it is apparently not forthcoming from *The Tech*, I should like to add my name at last to the long (but unfortunately most anonymous) list of your vehement critics.

It is unthinkable that a school where analysis (the search for "why" and "how" rather than merely for "what," "where," and

"When") is perhaps better developed as an art than it is at any other school in the world, the school newspaper should remain mostly "descriptive," with few serious attempts at positive criticism.

A few examples:

1) A massive building and campus development program rolls along in the wake of ridiculous mistakes (e.g., the "Van de Graaf" rugs in Dewey Library and the Student Center bowling alley, the low overhang of the Student Center front steps), and

unusual ideas for a college are rampant (e.g., vast seas of pebbled concrete, extra-large staircases, classrooms with glass walls on the hall and no windows to the exterior, big lobbies and waiting rooms). Might not some comments, even criticism, from the fourth estate be a constructive input into the system of planning and designing for the future?

2) Men constantly enter and leave important positions of power in student and faculty adminis-

(Please turn to Page 6)

Exec council chooses delegates for intercollegiate conferences

By Bill Byrn

The Executive Council, in consultation with faculty members from Course XVII and Course XIV, chose delegates during reading period to represent the undergraduates at various intercollegiate conferences. About 35 applicants submitted over 50 applications for the delegate positions.

Bob Bosler '67 and Dave McMillan '67 will be sent to a conference on "Today's Communism" at Principia College in April.

Jim Puls '67, Mike Leavitt '66, and Chris Scott '67 will go to Brown University tomorrow to discuss "South Africa Today."

"The Campus in Ferment" will be the topic at the University of Texas conference; Dave Berrian, Judy Risinger, and Gene Sherman will represent MIT.

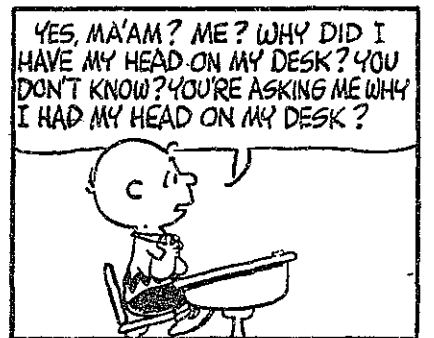
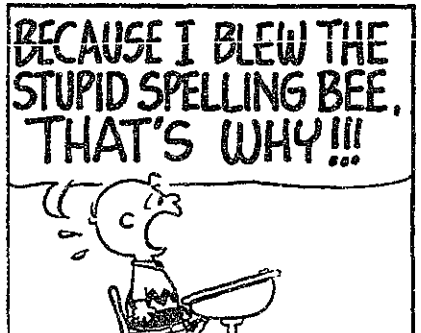
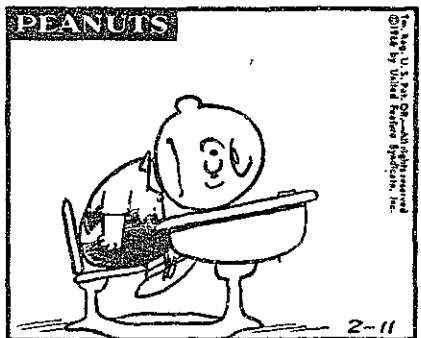
Alan Paul, Keith Patterson, and Spencer Sherman will hear about

"Ethic in Our Time" at Rutgers University's 200th anniversary celebration in March.

Others: Rusty Epps to Occidental College in Los Angeles, on "Public Policy and Private Interests"; Tim Carney to the Air Force Academy, to discuss cultural affairs and U.S. foreign relations; and Tom Jones to the Naval Academy conference on Western Hemisphere foreign relations.

A reminder to all potential candidates for office: all election petitions are due by 4 p.m., Friday, February 18. To date, the number of petitions signed out of the Institute Committee office indicates a lively interest in the offices; last year a total of 63 candidates were on one ballot or another.

The Finance Board has passed a motion, with the consent and (Please turn to page 8)



Peanuts appears daily and Sunday in the Boston Herald

Seminar on urban development to be held at Sheraton Boston

The MIT community is cordially invited to attend a two-part seminar on urban development, to be held in the Grand Ballroom of the Sheraton Boston Hotel February 19. The first half of the program will be moderated by Edward J. Logue, development manager for the Boston Redevelopment Authority.

The topic will be 'Urban De-

sign—Or Urban Disasters?', and the panelists will be Vincent Scully, Peter Chermayeff, Chloethiel Woodward Smith, and others. The time will be 2 p.m. The topic for the second half of the program will be 'City Lights, the Creation of an Exciting Nightscape.' Joseph Eldredge will moderate, and MIT's Gyorgy Kepes will be the speaker, at 4.

Visit Soviet schools

Professors study Russian education

By Jeff Weissman

Three professors left Washington December 3, 1965, to obtain a closer look at Russian scientific and technological education. Each professor studied the Soviet system in his respective field. Dr. Frederic E. Termann, from Stanford, was especially interested in electronics. Prof. Norman C. Dahl of MIT looked into mechanical engineering, and Prof. Alexander G. Korol from MIT's Center for International Studies examined the more general aspects of politics and administration.

Their visit was arranged by the United States Office of Education as part of a two year cultural exchange agreement in theater, music, education, government, and other areas. The trip ended December 28, after the professors had visited schools in Moscow, Leningrad, and Kiev.

Three types of schools

Specifically, they saw eight administrative departments of education, four secondary schools, four technical schools of sub professional skills, and nine institutions of higher education. In the USSR, higher education is divided into three types of schools—colleges for teaching, Universities

engineering schools.

There are some basic aspects of the Soviet system of general, centrally administrated education. First, there is a national quota—not only at each institution, but in each department of each institution.

Secondly, Russian education does not include the study of liberal arts. A student must study to become a professional in a particular field, unlike in the United States. This explains why the USSR can produce more physicists, mathematicians, and chemists than the United States, from a smaller number of students.

Recombining old courses

Thirdly, the USSR is consolidating courses from the over-specialization of the 1930's. For example, there were seven different types of degrees in welding engineering at that time, and there is now only one.

Fourth, in return for a free education at college (with stipends if needed), one was pledged to work at least three years in that field. Today, it is possible to change fields, though few do it because of habit and the need for additional education if a switch is made.

Stiff competition

Fifth, there is tremendous competition to receive high grades because of admissions procedures. Moreover, a student is allowed only one application to a school of higher education per year—and then only to one department of the school. Sometimes ten applicants will apply for one position, many of whom may have the maximum score of five points on each of five entrance exams. As Prof. Dahl stated, "That is similar to scoring straight 800s on the College Board Exams." There is, however, a lack of applicants in some areas, such as teaching.

Sixth, the USSR has an enormous number of part-time and correspondence schools which account for 53% of Russian education. These types of education became popular for Russian soldiers returning after World War II and continued to grow through the 1950's. However, they are inherently inferior to full-time education, and the government is striving for more of the latter in the future. An important facet of part-time study is that the only field one may study is the one he is presently engaged in. Prof. Korol explained, "If you are working as a bookkeeper, you can't study physics part-time; you can only become a better bookkeeper."

Recent trends

With these basic characteristics of Soviet education, it is possible to see the recent trends of change. In 1958, Krushchev initiated a program "to bring school closer to real life." Basically, this meant an acceleration of study in the fields of practical science and technology.

Secondary education was ex-
(Please turn to Page 13)

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Letters to The Tech

(Continued from Page 4)

trations. The Tech never gives even a glimmer of criticism of the qualifications of any of these men (surely some of them, especially students, deserve other than praise). One exception to this problem has always been the candidates for UAP, but in the last election, the paper lapsed into the stereotype of mere "description."

3) MIT has the most varied and in some ways the most progressive athletic program in the United States. Some recent new ideas (e.g., varsity football; women's participation in their own varsity, intra-mural, and physical education programs; a program for graduate students) have not raised the slightest ripple of debate in The Tech. We have eighteen varsity teams, several of which are, at this present moment, failing to live up to great potential. There is serious doubt whether one of our varsity teams should even exist as anything more than a club. No hint of such problems, no criticism of coaches, no denigration of individual players' performances or attitudes, no discussion of the pressures of the MIT academic system upon the athletic system ever appears in your pages.

And so on.
It's not particularly a matter of controversy. It's more a matter of enlightened interest and involvement. It's a matter of a little more sweat and persistence and dedication.

The quality of The Tech over the last several years seems to indicate that its staff does not aspire to make it the best or anything close to the best among America's college newspapers. The MIT community has the right to expect more.

Fred S. Souk '66

To the Editor:

In response to your response to Mr. Davidoff's letter (The Tech, January 11), I have the following suggestions, which I consider to be positive: The Tech should have a large number of people who

Hub committee to meet METCO

The MIT Faculty Club will host a meeting between the Boston School Committee and the Metropolitan Council for Education Opportunities (METCO) February 18 at 5 p.m. to discuss METCO's proposal to bus about 250 "disadvantaged youngsters" to schools in the suburbs.

Will meet openmindedly

Associate Professor of aeronautical engineering Leon Trilling, METCO Chairman and member of the Brookline School Committee, has stated that all members of the Boston School Committee have agreed to meet open-mindedly with them.

Trilling said that no formal agenda has been drawn up for the meeting and that the situation will be discussed in a "free and easy way."

Not unanimous

Trilling admitted, however, that the Boston committee would not be unanimous in the acceptance of METCO's proposal. "Some will be for it and some will not," Trilling stated.

Born at a December, 1965, meeting, METCO is composed of school committee and administrative members of various school systems in the Greater Boston area. METCO will soon submit a proposal for federal funds to the US Office of Education under the Elementary and Secondary Education Act, Title III. The proposal was drawn up by Newton Superintendent of Schools Dr. Charles Brown.

Postdoc Couple

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are responsible for producing editorial material. These people should be chosen with an eye to producing factions within the editorial group. Rather than the bland pap you have been printing as "editorial opinion" (that's my personal opinion), you should attempt to print every view represented by your editors. (We can still read small type; printing the editorial columns in large type is just admitting you don't have much to say.)

If there is diversity at MIT it should appear in The Tech. What you have been printing is the average of diversity, which is — sadly — zero.

PS: Editorials under a system such as the above should be signed. (Those of us who read small type — still read small type.)

(We offer no excuse to our critics except that we try to publish a good newspaper. We function without either professional journalistic help or faculty interference. For a summary of the editorial policies for Volume 86 see today's editorial.)

Reserved seats

To the Editor:

This morning (January 23) I went to the Student Center Libra-

ry and was very surprised to see that all the desks were occupied. Not all those diligent tools were tooling in person, however; some had gone home for a well-deserved rest, but had left books and papers to continue their studies for them, all through the night and early morning. It truly was heartening to see an entire library filled with students or their proxies at such an ambitious hour of the morning! But I just decided to go home and wait until the Science Library opened, where I might be able to find the books I needed. I guess I prefer the more old-fashioned type of books — those which merely wait in proper array on old-fashioned shelves!

Grumpy

No LSD-25

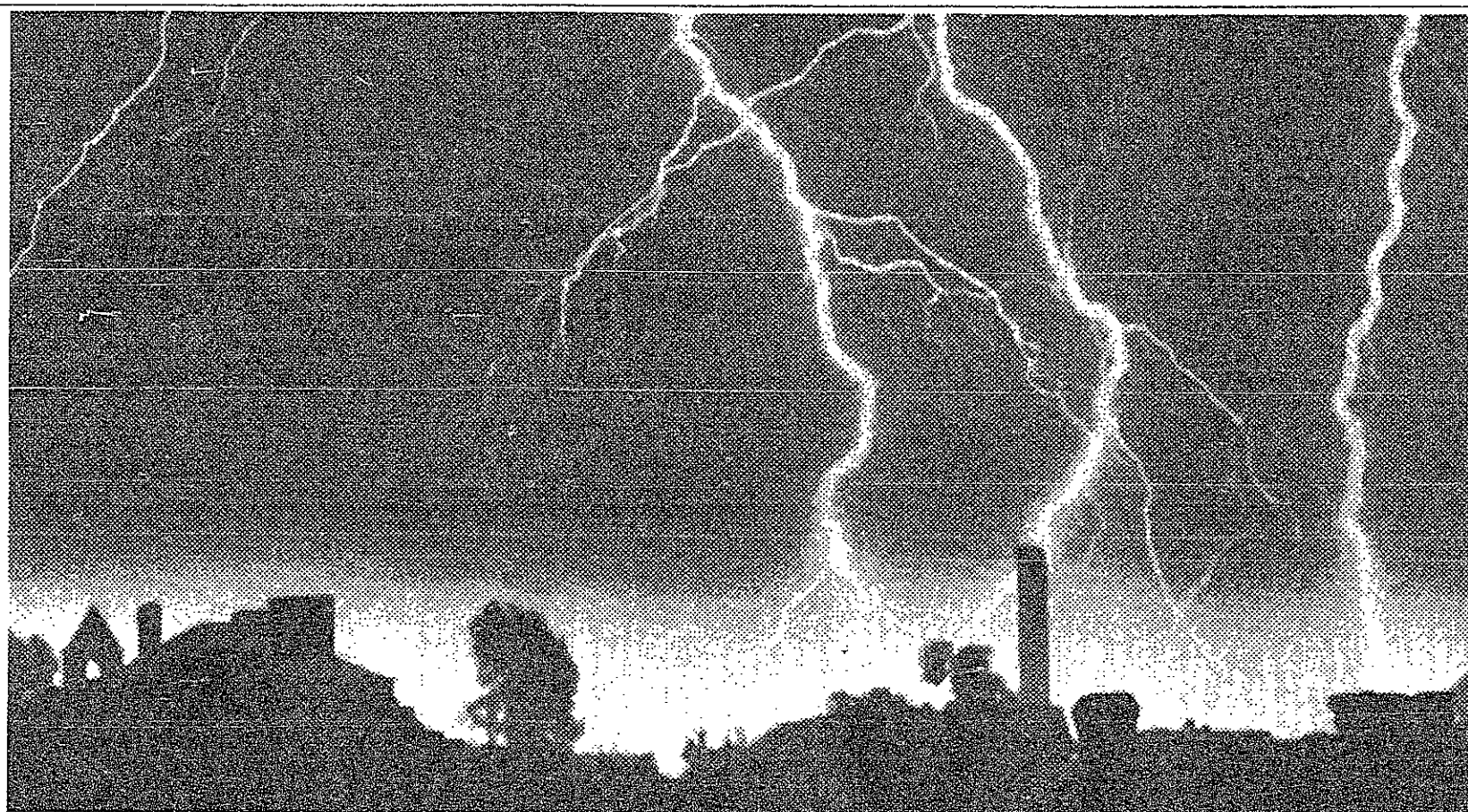
To the Editor:

In regard to your article in the Friday, January 14, 1966 issue of The Tech concerning the alleged hallucinogenic drug, LSD-25, we have the following information to pass on to you and the MIT community from our research department.

LSD-25 does not exist.

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(We suspect that the Bardo Corporation does not exist.)



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Prof. John Breedis will receive award for alloys research

MIT Prof. John F. Breedis has been named to receive the Rossiter W. Raymond Award of the American Institute of Mining, Metallurgical, and Petroleum Engineers.

Prof. Breedis has been at MIT since 1964. In addition to his teaching and research work, he supervises the Central Microscopy Facility. He will get the award for his paper, 'Martensitic Transformation in Iron-Chromium-Nickel Alloys.'

Clay work added to Center classes

In addition to drawing and painting classes now being held in the studios on the fifth level, of the Student Center, a Clay Workshop is about to be added. All students interested in this class, to be held Saturday mornings, should register tomorrow in room 429. Miss Cora Pucci, instructor, will be in the studio to outline the program. Enrollment will be limited to 15.

SCEP Forum

Major library problems discussed

By Bob Zucker

We have already considered some very general problems that students find with the MIT libraries. Today we will discuss more specific issues and review the conclusions of the Student Committee on Educational Policy.

Theft

A serious problem which the libraries face is theft. It is sur-

prising that so many students condemn the libraries for "allowing the thefts to occur," without ever blaming the thieves. Students suggest more diligent checkers, stiffer penalties for stealing, brighter book covers, more frequent shelf checking for "misplaced books," and more rapid replacement of stolen books. These measures are peripheral, and leave the core of the problem untouched. Some believe that theft is more common at MIT than at other schools. They attribute this to the MIT student's respect for nothing so much as his own academic needs. A full solution of this problem is impossible; it may rest solely with the Tech students' integrity.

Catalogue changes

SCEP received many queries about the cumbersome catalogue system. Many students still do not realize that we are changing from the old Dewey Decimal system to the new Library of Congress classification. This system is better adapted to technical literature, is more efficient, and should avoid the ambiguities that sometimes occurred in the Dewey system. For several years we will have to look up books and subjects in both the new and old card catalogues. This small inconvenience is necessary and unavoidable, yet it is worthwhile in the long run.

Central library

Many students question the system of a decentralized library. They argue that a division between engineering and science collections is arbitrary. Such an arrangement is at best inconvenient, and at worst detrimental to their studies and research. With the growth of interdisciplinary fields, it seems disadvantageous to place a quarter mile between science and engineering, biology and psychology, and history and political science. Further, the catalogues in each specialized library are only for that collection and do not refer to relevant material elsewhere in the library system.

On the other hand, it is argued that divisional libraries place the material close to relevant laboratories and faculty offices. They allow each department to better guide the library in its particular field. Individual libraries allow field oriented direction and technical administration.

Many of the present divisions in our libraries are historical. Hopefully the Institute will recognize the current needs of the MIT community and consider the possibility of a new building which might allow arrangement of the libraries in a more sensible scheme. Perhaps the current study of Project INTREX — Information Retrieval and Exchange — can be put to use in such a new facility.

Smoking

Cigarette and cigar smoke used to be a serious problem in the Reserve Book Room. The Student Center Reading Room has relieved overcrowding in this library, and the smoke is not nearly so dense. However, if any students still believe that smoking is making any library uncomfortable, he should leave a note in the SCEP mailbox, Student Center, Room 401.

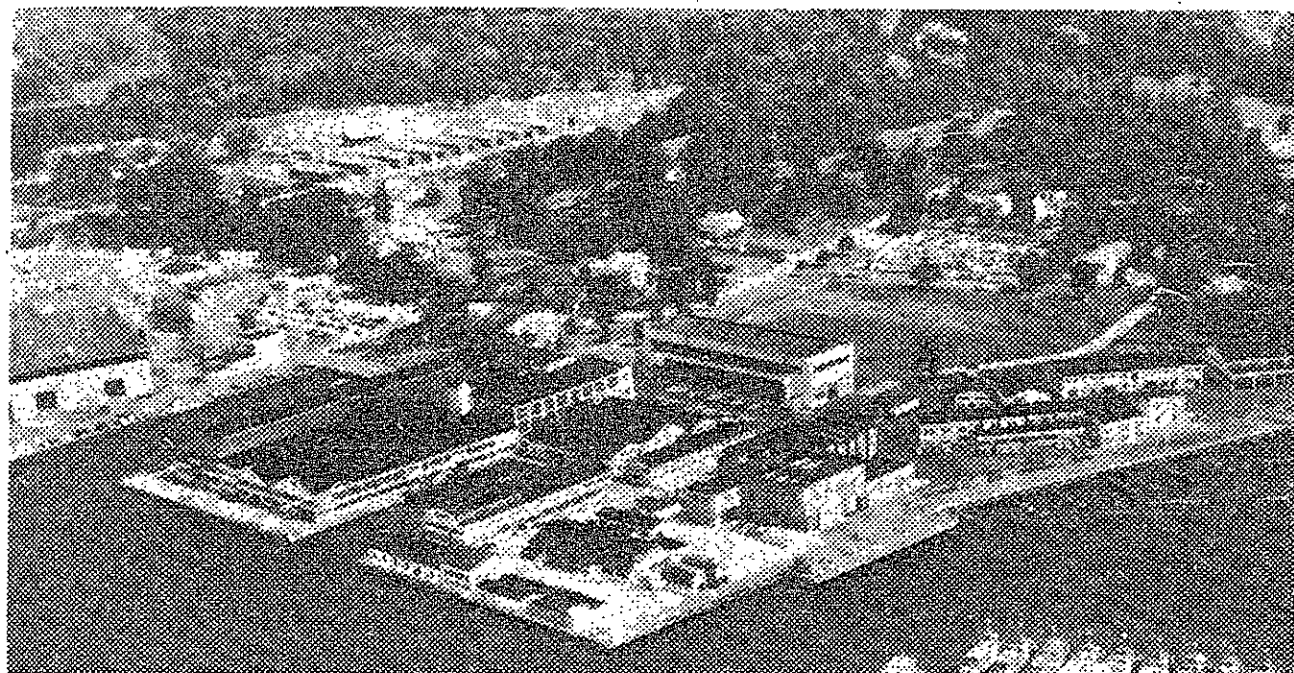
New scholarship honors technician

MIT has established a scholarship in memory of Arthur C. Reid, of Avon, Mass., a young technician killed in a laboratory explosion and fire last summer.

Dr. Charles H. Townes, Provost, said the scholarship honors Reid, who died of injuries suffered when a blast ripped through the experimental hall of the Cambridge Electron Accelerator July 5. Seven others were injured in the explosion.

Dr. Townes said first preference for the Reid Scholarship will be given to students from the town of Avon who are qualified by academic preparation and achievement for admission to MIT. Second preference will be given to qualified students from the four neighboring towns of Brockton, Stoughton, Randolph, and Holbrook. The scholarship, like most others at MIT, provides a variable amount toward tuition, depending on the student's financial needs.

At the time of the fatal accident, Reid was assisting in an experimental project being carried out at the CEA by a team of MIT physicists. Reid was near the bubble chamber which was filled with liquid hydrogen, when the blast occurred.



On the waterfront at Annapolis—

growth opportunities for research engineers and scientists

The U. S. Navy Marine Engineering Laboratory conducts RDT&E in naval shipboard and submarine machinery and auxiliary systems (electrical, propulsion, control, etc.). In addition to developing basic improvements in performance and reliability, the Laboratory concentrates on ship silencing, new concepts in energy conversion and control, ways to minimize friction and wear, special operating machinery for deep-diving vessels; and tough, resistant naval alloys to meet all ocean environmental conditions.

The Laboratory buildings—now more than 50 of them—house some of the finest research, experimental and evaluation equipments of their kind, such as high-speed computers, electric power generators, vibration and shock test stands, metals composition analysis instruments, cryogenic storage and handling facilities, physics and chemistry labs, and complex instrumentation for measuring strain, stress, pressure, acceleration, velocity, performance, and reliability. The Laboratory grounds resemble a modern industrial park, and include special facilities for in-field experimentation.

And the locale is ideal. Washington, Baltimore and the ocean resorts are no more than one hour's drive. Annapolis itself is the state capital, and offers small-city living with metropolitan accessibility.

Urgent new projects require additional engineering and scientific personnel with BS, MS, and PhD degrees.

Typical Duties of Engineers and Scientists at MEL:

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Electronic Engineers—Research and development in electronics—servo-mechanisms—electromechanical devices—instrument and panel illumination—pressure measurement—fluid flow measurement.

Chemical Engineers—Research and development work in chemical and electrochemical processes; gas and fluid flow systems and equipment; air and water treatment systems; semi-conductor materials; lubrication; fuel systems and processes; filtration; hydraulic fuel systems.

Physicists—Application of physical principles to the areas of sound, electronics, optics, mechanics, instrumentation, or electricity and magnetism.

Chemists—Engaged in application of chemical principles to the areas of water treatment and purification, corrosion and deposition in naval equipment, atmosphere purification, thermoelectric materials, fuel cell power generation, lubrication, fuels, hydraulic fluids, and instrumental analysis.

Metallurgists—Research and development work in the area of new or improved alloys for ship hull and machinery applications involving considerations of physical and mechanical properties of metals and alloys, fatigue and corrosion characteristics, and weldability.

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More 3-day weekends

MIT alumnus proposes 'Perpetual Calendar'

By John Corwin

"This calendar has more three-day weekends than any other current proposal," claims Willard E. Edwards, MIT '26, originator of "The Perpetual Calendar."

The Calendar is a proposal for a new 12-month equal-quarter international civil calendar which would remain identical from year to year. Each quarter would consist of 91 days, broken into two 30-day months and one 31-day month; the 365th day would be New Year's Day, an international holiday preceding Monday, January 1.

Quarters Identical

All quarters begin on Monday,

the first working day of the week, and end on Sunday, the last day of the weekend. This is particularly helpful for businesses and banking. In addition, the first and 15th of each month always falls on a weekday, and there is never a Friday the 13th.

Leap Year Day

Once every four years there must be another day in the year, and it would occur between Sunday, June 31 and Monday, July 1, forming a three-day weekend, and named Leap Year Day.

The separation of New Year's Day and Leap Year Day is necessary to keep the rest of the year standard, and only for this reason

are the two days introduced.

Endorsed by Mass.

The Calendar has been officially endorsed by the Legislatures of Hawaii and Massachusetts, and the business world would look forward to great increased efficiency in bookkeeping were it to be adopted. The US Congress and the United Nations have each been asked to adopt it as the next international civil calendar.

Ends confusion

Another feature of the perpetual calendar will be elimination of confusion such as that which arose 234 years ago with the birth of George Washington—on February 11! This date is according to an "old-style" calendar whose confusion dates back to the days of Julius Caesar.

Holidays

The new calendar would have standardized holidays, such as Easter Monday (April 15), Labor Day (September 4), and Christmas Day (Monday, Dec. 25). In addition, Kamehameha Day, Monday, June 11, would make six annual 3-day holidays in Hawaii.

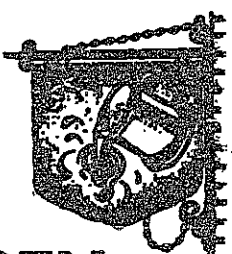
The originator, Willard Edwards, majored in electrical engineering when he attended the Institute, and presently lives in Honolulu, Hawaii.

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Talking Rock

By Don Davis

This is the first in a two-part series concerning international music. This column is devoted to Britain, while next Tuesday's will concern the rest of the world.

Thirty-two of America's top 100 songs of 1965 were performed by British artists. The number of British tunes making it big in Britain is of course even greater; in fact, during the last six months "I Got You Babe" and "1-2-3" have been the only non-British discs to hit the number one spot there.

One month delay

No hard-and-fast rules can be made that hits in one country become hits in the other. An examination of British hit charts for the past six months indicates that a big American hit by a new American group will do well in Britain and generally will do it just about a month after it hits its American peak. This was true for "Like a Rolling Stone," "I Got You Babe," "The Eve of Destruction," "1-2-3," "Hang on Sloopy," and "A Lover's Concerto," all of which made it to one or two in America and at least six in Britain, with the one month lag true to within a week for all.

On the other hand, the British tend to tire of the American groups quicker than we do. Both "Turn! Turn! Turn!" and "I Hear a Symphony" hit number one in America while failing to reach Britain's top 25. However, the earlier tunes of the Byrds and Supremes did very well in Britain.

Beatles and Stones

The Beatles and Rolling Stones are almost as big in Britain as in the U.S. "Help" and the "Day Tripper"—"We Can Work It Out" combo were two of the four 1965 discs which sold over one million

copies in Britain and the time of popularity for these songs was virtually the same in the two countries. Paul McCartney's version of "Yesterday" did not make it in Britain, though, probably because of its inclusion in the British "Help" album. Matt Monroe's version of "Yesterday" did make it to number six there. Although neither "Satisfaction" nor "Get Off of My Cloud" sold a million in Britain, they both were number one there for three weeks. Both made it in America several weeks earlier than in Britain.

One major difference between the two countries concerns the popularity of the Righteous Brothers and Walker Brothers. Both are white US groups who sing similar soul sounds; the former are from California and the latter from Texas. Despite their similarities, the Righteous Brothers are big in the US, while the Walker Brothers can do no wrong in Britain. The following listing of recent hits by the two with their American and British peaks exemplifies the difference:

Unchained Melody-RB	4 14
Ebbtide-RB	5 —
Make it Easy on Yourself-WB	16 2
My Ship is Coming In-WB	71 4

It is not uncommon for a British song to be a big hit in Britain while doing nothing in the US. Three examples which received some airplay in Boston with their American and British peaks are "Who's My Generation" (74, 3), Chris Andrews' "Yesterday Man" (94, 2), and the Seekers' "The Carnival is Over" (105, 1). The latter was one of the four records of 1965 to sell over a million in Britain.

Dodd's big hit

The epitome of this difference is Ken Dodd's version of "Tears." With British sales of nearly 1.5 million, this tune was Britain's biggest song of 1965. It was number one there for six weeks, on the top ten for seventeen, and is still on the top thirty after twenty-two weeks, an unheard-of period of time in either the British or American markets of today.

The song, a gentle ballad originally recorded by Rudy Vallee in 1929, hit a peak of 107 in the US while making it into the mid-twenties for WBZ. Bobby Vinton recorded a version of the song recently; this gives some indication of the type of song it is. British officials believe that it was primarily adults who were responsible for its success.

Cliff Richard, who also sings music which might be classified as easy-listening, was Britain's top artist before the Beatles rose to popularity and is still among the top ten artists there. He has never done well at all in the US, his biggest hit here being "It's All In The Game" two years ago, which made it up to nine in the US.

Inside Inscomm . . .

(Continued from Page 4)

support of the Activities Executive Board, requiring all recognized activities to submit a financial report of first term operations before February 21. Activity officers should shortly receive notice of this motion. They may drop by the Inscomm office to see a sample of the brief summary of financial operations that is desired.

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SKI EQUIPMENT

Harvard Square

'How they see us'—MIT on a screen

By Jack Donohue

The MIT community has been the subject of two films, one produced by the British Broadcasting Company, the other by the United States Information Agency. It has been rumored that the second was a reaction to the first, and the consensus is that both have missed the mark in their attempt to portray the daily life of the MIT man on fifteen minutes of celluloid.

The BBC film is a documentary in style, and opens with a fast photo-flight through the Institute's halls, devoid of people, accompanied by weird sounds which we later learn are produced by a computer.

Tech tool image

The cold, mechanical atmosphere is preserved throughout most of the film. The interviews and scenes all contribute to the image of the "Tech tool" — an unwashed intellectual, who endures four years of the daily grind to get the MIT diploma and the

high paying government job. A disproportionate amount of footage was spent reviewing the many MIT operated franchises which are paid for by the federal government. The obvious implication is that our MIT student will graduate with a degree in engineering and be snapped up by Uncle Sam. Although many of the scenes in this film were appreciated by the audience, who recognized their validity, the film as a whole created an erroneous impression.

Work of fiction

The USIA film is such an antithesis to this, that we suspect the writers must have peeked at it before writing the script. The film seems more like a work of fiction than a documentary. It concentrates most of its attention on an MIT coed, who is torn between a career as a professional musician and that of a scientist.

She resolves her problem, soap-opera style, by enrolling at MIT, where she can pursue both. Other real-life examples seem to show

MIT as a truly versatile institution, where one can obtain a well rounded education.

This may be true, but the over-emphasis on the humanities at MIT, and neglect of the major areas of interest, science and engineering, seem to suggest that the film-makers were a trifle self-conscious of MIT's image.

These films both show what can happen when a group attempts to make a film with pre-conceived ideas about the subject, and, therefore, fail to give an impartial and balanced look at the MIT community.

Concert Jazz Band to participate in Sixth Annual Villanova Festival

MIT's Concert Jazz Band has been selected to participate in the Sixth Annual Villanova University Intercollegiate Jazz Festival to be held at Villanova February 25-26, 1966.

The Concert Jazz Band will be in competition with similar groups representing almost twenty other schools.

Judges at the semi-final and final rounds include Stan Kenton, one of the nation's top bandleaders and jazzmen. He will be joined by top grade publication writers, editors, and publishers and record company personnel in judging the contestants.

If the Concert Jazz Band is suc-

cessful, there will be a performance by them in the final session of the Jazz Festival on Saturday night, February 26th.

Last year, the Concert Jazz Band, under the direction of Herb Pomeroy of the Berklee School of Music, finished in the top three in the Villanova competition. Carey Mann, of the Concert Jazz Band, was selected as the leading guitar player at the competition.

HARVARD SO UN 4-4569

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"Heroes of Telemark"
2:00 - 5:40 - 9:20
"Harvey Middlemen"
4:20 and 8:00

BRATTLE SO TR 6-4223

Today and Tomorrow
"A Woman is A Woman"
Week of February 13-19
"The Soft Skin"

The Bulletin Board

Compiled by the Public Relations Committee of Inscomm, The Bulletin Board is a weekly service of the PRC and The Tech.

Meetings and events may be included in this article and in the MIT Student Bulletin by filling out a form in the Inscomm office or in Mr. Jim Murphy's office in the Student Center at least 12 days in advance of the week the event is to occur.

Further information may be obtained from Bob Howard (x3783), editor of the MIT Student Bulletin.

Friday, February 11

- 1:00 pm — MIT Islamic Society: Juma Prayers. Kresge.
- 5:00 pm—Science Fiction Society meeting. Spofford Room, 1-236.
- 5:00 pm — MIT Concert Band rehearsal. Kresge.
- 7:00 pm — L.S.C. Movie: Ship of Fools. Admission 50c. Kresge.
- 8:00 pm—MIT College Life Group meeting. Speaker: Bill Durfee, former New England wrestling champion. Harvard University, Adams House Common Room.
- 8:00 pm—Informal Dance Committee Mixer: Happiness is an I.D.C. Mixer. Admission: girls 75c, boys \$1.00. Refreshments. Walker Memorial.
- 8:00 pm — Outing Club Square Dance. Live band, caller, refreshments. Admission \$1.25. The Armory.
- 8:00 pm — Burton House Mixer. Sala de Puerto Rico.
- 8:30 pm — MIT Hillel Social. Student Center, East Lounge.
- 9:30 pm—L.S.C. Movie.

Saturday, February 12

- 1:00 pm—MIT Strategic Game Society special election meeting. Student Center, Room 473.
- 5:15 pm — L.S.C. Movie: What's New Pussy Cat? Admission 50c. Room 26-100.
- 7:30 pm—L.S.C. Movie.
- 8:00 pm—Chinese New Year's Ball: semi-formal, live band, entertainment, refreshments. Admission: \$4.00/couple. Student Center, Sala de Puerto Rico.
- 8:30 pm—J. S. Bach Concert: The Cantata Singers presented by the MIT Russian House. Admission: students \$1.50, public \$2.50.
- 9:45 pm—L.S.C. Movie.

Sunday, February 13

- 9:15 am — Roman Catholic Mass. MIT Chapel.
- 10:00 am—Tech Catholic Club coffee hour. Student Center, East Lounge.
- 11:00 am — Protestant Worship Service. MIT Chapel.
- 12:00 noon — Protestant Coffee Hour. Student Center, East Lounge.
- 12:15 pm—Roman Catholic Mass. MIT Chapel.
- 1:00 pm — MIT Strategic Games meeting. Student Center, Room 473.
- 3:00 pm—Humanities Series: The Fine Arts Quartet. Admission \$3. Program: Beethoven's E Minor Opus 59, No. 2; G Major, Opus 18, No. 2; A Minor, Opus 132. Kresge.
- 4:15 pm — Roman Catholic Mass. MIT Chapel.
- 6:30 pm—MIT Concert Jazz Band rehearsal. Kresge.
- 8:00 pm — L.S.C. Classic Movie: The Golden Age of Comedy. Admission 50c. Room 10-250.

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Performed by the Fine Arts Quartet

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SUNDAY, MARCH 6, 1966 — SUNDAY, MARCH 20, 1966

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How do you test a product that's six miles long? Or reduce the size of something almost too small to see?

TOUGH jobs... typical of the engineering work being done day after day at Western Electric, the manufacturing and supply unit of the Bell System. And you can have a hand in solving problems like these.

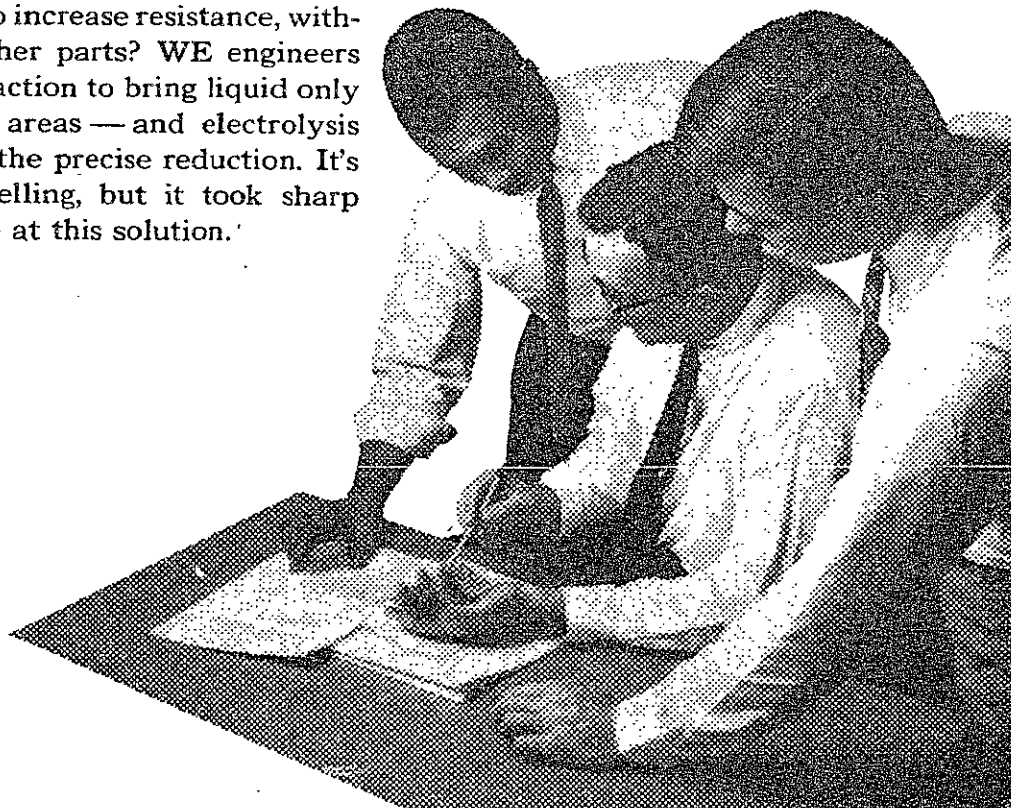
The six-mile product was a complete telephone cable. How to test it before it was buried underground—before modifications, if necessary, became time-consuming and expensive? The solution was to design an "artificial cable"—a model a few inches in length whose electrical characteristics matched those of the full-size cable. In this way, engineers learned which type of cable would do the job best, how many repeater stations would be needed, and where repeater equipment should be installed. Artificial cable lets us anticipate and solve many other problems... before they ever arise.

The small product was a thin film circuit—an electrical path only thousandths of the thickness of a human hair. How do you design equipment to make certain parts thinner, to increase resistance, without altering other parts? WE engineers used capillary action to bring liquid only to the desired areas—and electrolysis brought about the precise reduction. It's quick in the telling, but it took sharp minds to arrive at this solution.

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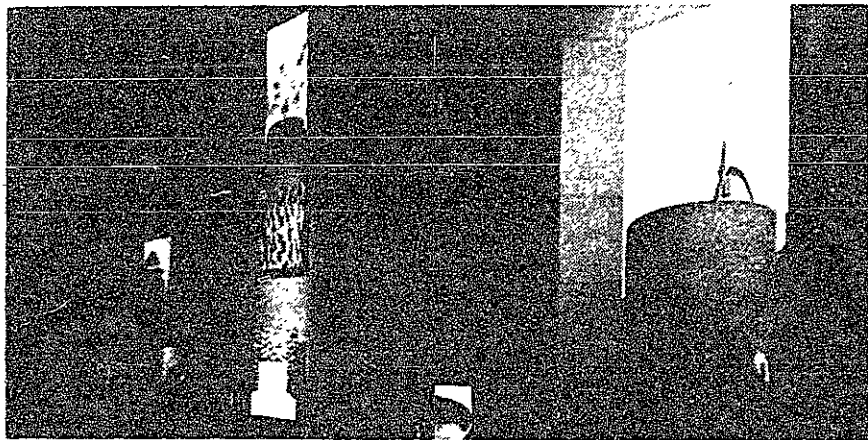


Photo by Desmond Booth

'The Other Side,' a collection of photographs of Kresge Auditorium, the MIT Chapel, and the Julius Adams Stratton Building by five graduate students, is being exhibited in the Creative Photography Gallery in the Armory.

Armory shows student art

By Dave Kaufman
"The Other Side," an exhibit of photographs by five MIT graduate students, has been running since Tuesday, January 18, in the Creative Photography Gallery here.

The title refers to Kresge Auditorium, the Chapel, and the Stratton Student Center, whose contrasting curves, sharp lines, and reflecting surfaces provide subject matter for the photographs. For an example of this work, the reader might check the title picture of the last issue of The Tech, which was taken from the show.

The students are Stan Goldberg

of Atlanta, Robert F. Haiko of Wethersfield, Conn., Ross Harris of New York City, Warren Krupshaw of Washington, D.C., and Thomas A. Wills of Honolulu. They have all been enrolled in a course taught by Minor White, an eminent photographer, in the Creative Photography Laboratory, established here a year ago.

This exhibit will continue to be on display through Tuesday. The Creative Photography Gallery is located on the third floor of the Armory at MIT. The Gallery is open each afternoon except Monday, from 1 to 6. On weekends

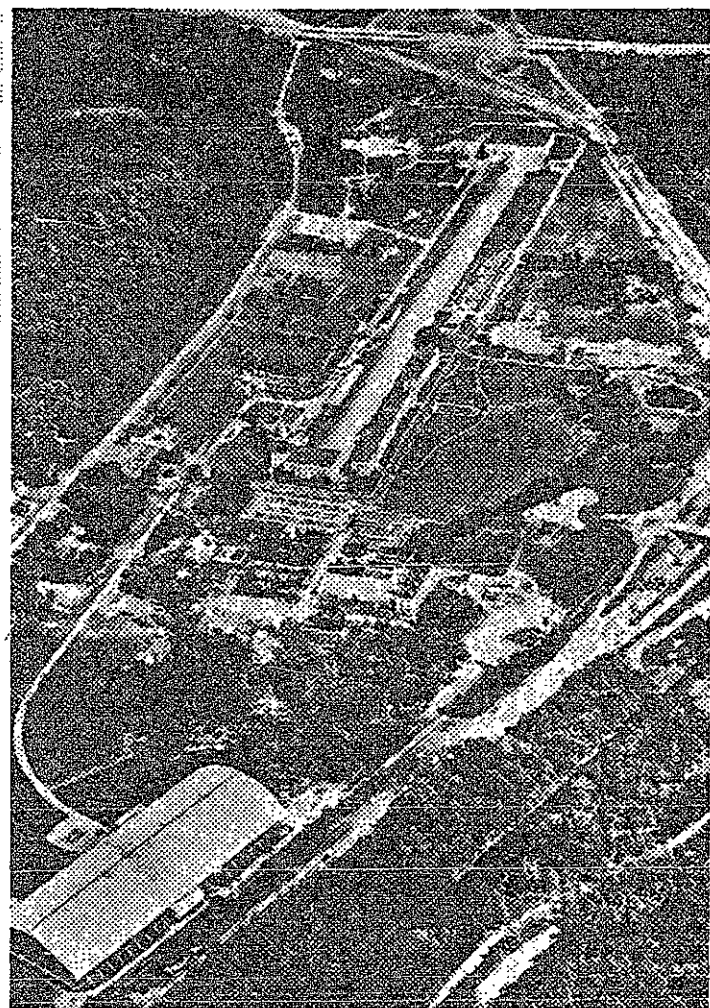
of the entrance to the Armory is through the duPont Athletic Center.

Institute to receive money from Maytag

Robert E. Vance, president of the Maytag Company Foundation, Inc., announced that MIT is the recipient of personal contributions from Maytag employees through the company's gift-matching plan. MIT is one of 38 colleges and universities receiving such funds in 1965.



PHOTOGRAPH BY RICHARD D. HOWREY, COURTESY UNITED STATES NAVAL INSTITUTE



If nothing interests you as much as research and development...

consider the advantages of a career in the laboratories of the David Taylor Model Basin

The David Taylor Model Basin, one of the oldest government laboratories, has grown steadily in size and responsibility and is now concerned with design concepts for aircraft and missiles, as well as with surface ships and submarines. Its five major laboratories conduct basic, applied, and developmental research in these fields:

HYDRODYNAMICS—Hydrofoil craft, interface vehicles, novel ship types, fluid dynamics, high-speed phenomena.

AERODYNAMICS—Aircushion vehicles, weapon release problems, V/STOL aircraft, aircraft performance.

STRUCTURAL MECHANICS—Submarine and surface ship structures, effects of underwater and surface explosions, ship and personnel protection, deep-sea research vehicles.

APPLIED MATHEMATICS—Computer-aided ship and system design, automated data processing, numerical techniques, management data analysis.

ACOUSTICS AND VIBRATION—Radiated, near-field, self and hydrodynamic noise, countermeasures, silencing devices, noise transmission.

An engineering or scientific career at the David Taylor Model Basin offers you many advantages:

1. Because of the mission of the Model Basin, you can be sure that you will be engaged in research, development, test and evaluation not as a bystander, but as an active and increasingly important participant. Whatever your discipline, you will have the opportunity to apply it to one of the important projects in which the Model Basin is engaged.
2. You will have the satisfaction and excitement of working on projects that advance the state of the art and are of national and international importance.
3. Working with you will be men whose engineering and scientific achievements have earned them wide reputations in their fields. Your contact with them will be of immeasurable value in your own development as a professional engineer or scientist.
4. You will work in a campus-like environment with 186 acres of laboratories and supporting facilities with millions of dollars worth of equipment. For instance, the Hydromechanics Lab-

oratory has a Towing Basin 3/5 of a mile long, 50 feet wide, and 20 feet deep; a Maneuvering Basin that covers 5 acres. The Applied Mathematics Laboratory uses four high-speed digital computers to solve engineering and logistic problems. The ultra-high-speed UNIVAC LARC performs 250,000 computations per second. The Aerodynamics Laboratory is equipped with nine wind tunnels, subsonic, transonic, supersonic, hypersonic, for the testing of aircraft, missile and airborne component models. Ten pressure tanks, and tensile and compressive load testing machines are among the devices used by the Structural Mechanics Laboratory in research on hull structures for ships, deep-diving submarines and deep-sea research vehicles. Mechanical generators in the Acoustics and Vibration Laboratory can produce known forces in structures ranging from small items of machinery to complete ships.

5. The management of the Model Basin is interested in your professional development. It provides you with the opportunity to receive financial assistance and time (up to 8 hours a week) to attend classes at one of the six major universities in the immediate area, which offer courses in virtually every field. In addition, a number of graduate courses are conducted at the Model Basin. Under a new program, several employees are now engaged in full or 3/4-time advanced academic study and receiving full salary as well as all their expenses.

6. At the David Taylor Model Basin, you can reach the \$10,000 to \$12,000 level within four years. In addition, as a Civil Service employee, you get generous vacations and sick leave, inexpensive life and health insurance, and enjoy the benefits of an unusually liberal retirement program.

7. Within minutes of the Model Basin are the suburbs of Maryland and Virginia offering excellent living conditions, unusual recreational facilities, and some of the best public school systems in the country. Because the Washington area is a center for scientific research as well as for government, it boasts a large concentration of people of intellectual and cultural attainments. Washington, D. C. with its museums, art galleries, libraries and points of historical interest is just 12 miles from the Model Basin.

For more information about the David Taylor Model Basin and the opportunity it offers you, see the interviewer who visits your campus or write directly to Mr. S. DiMaria, Head, Office of Civilian Personnel.

The David Taylor Model Basin is looking for well-qualified college graduates with BS, MS or PhD degrees in aerospace, electrical, electronics, marine, mechanical, civil or structural engineering. Applied mechanics, mathematics, physics, and naval architecture.

On Campus Interviews

Representative from the David Taylor Model Basin will be available for interviews on

Tuesday, Feb. 15

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First annual The Tech Photo Contest winners

THE TECH
FRIDAY, FEBRUARY 11, 1966

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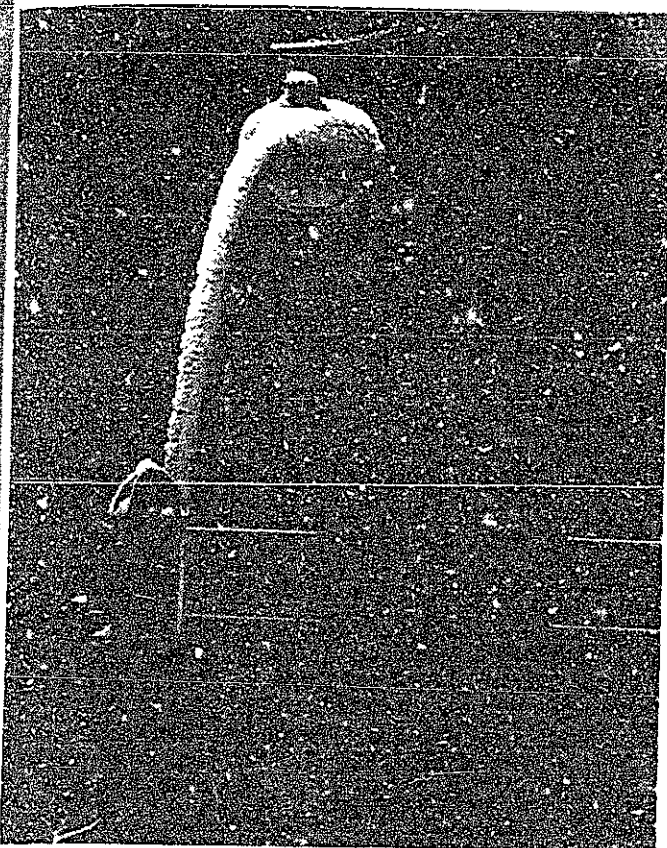


Photo by Owen Franken

'Lamp on a Snowy Morn' is a striking study of a street lamp on Bay State Road. The photographer, Owen Franken, is a sophomore in physics, Activities Photo Editor for Technique, and a professional photographer during the summer.



Photo by Mark Saklad

The Tech is proud to announce the winners of its first annual photography contest. The winners in each of the three categories will receive dinners-for-two at the Tech Square House.

'Lamp on a Snowy Morn' is the creative work of Sophomore Owen Franken, a physics major from St. Louis Park, Minnesota. The 'Lamp' was photographed on a Saturday morning in January from Owen's second story window on Bay State Road in Boston. The action category was won by Mark Saklad, with his shot of The Pole Vaulter. Mark, who lives in Cambridge, is an Aeronautical Engineering major.

The winner of the scenic category is Jarl McDonald, a freshman from Branford, Connecticut. The photograph,

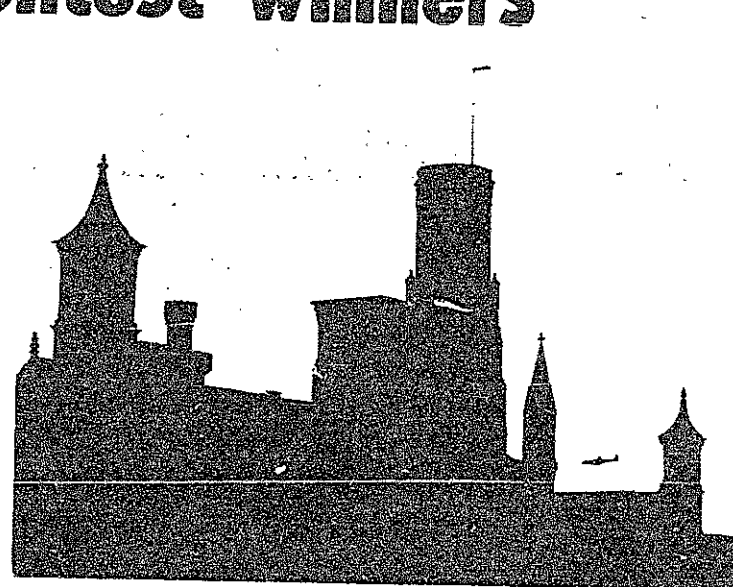


Photo by Jarl McDonald

entitled 'Black and White,' is a dramatic silhouette of part of the Smithsonian Institution. Jarl had traveled to Washington the week following Christmas specifically to buy the camera with which he produced this photograph.

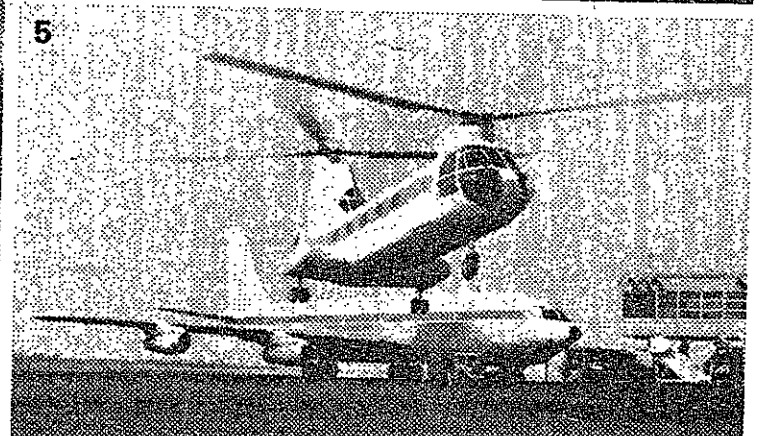
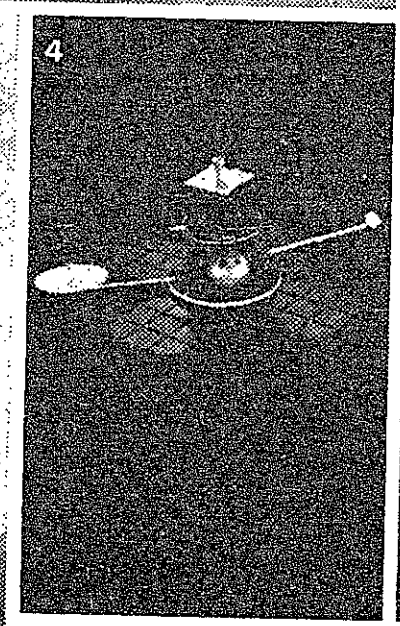
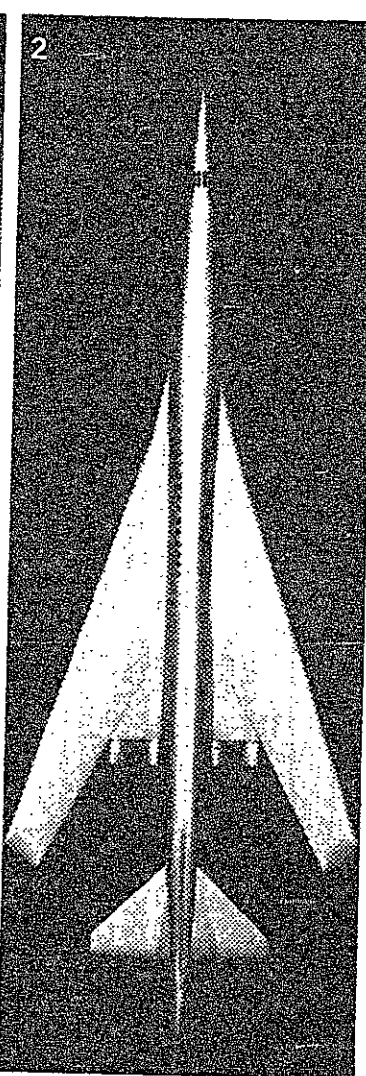
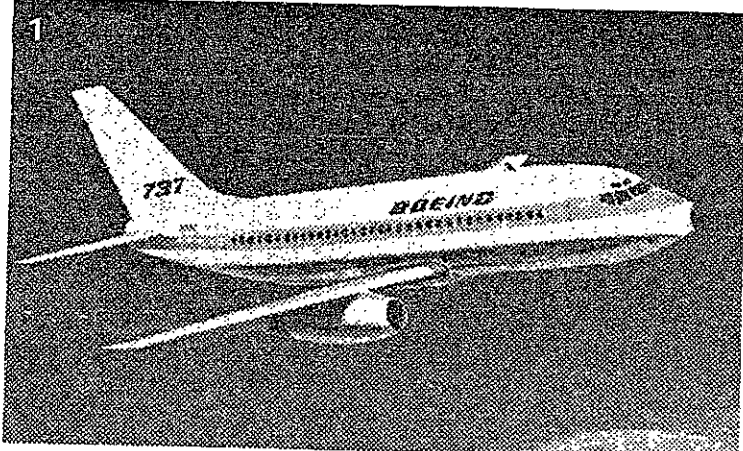
The judges for the contest were Harold E. Edgerton, head of the stroboscopic light laboratory; Minor White, professor of creative photography; John Torode, The Tech photo editor, and Jeff Reynolds, contest chairman. The Tech hopes to make this an annual contest.

Several honorable mention photographs are on display in the Student Center. Those entrants who would like their original prints may obtain them at The Tech Office, Room 483 of the Student Center, Sunday, February 13, or Wednesday, February 16.

Engineers and Scientists:

Let's talk about a career at Boeing...
50-year leader in aerospace technology

Campus Interviews, Wednesday through Friday, February 23 through 25



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There's a spot where your talents can mature and grow at Boeing, in research, design, test, manufacturing or administration. The company's position as world leader in jet transportation provides a measure of the calibre of people with whom you would work. In addition, Boeing people work in small groups, where initiative and ability get maximum exposure. Boeing encourages participation in the company-paid Graduate Study Program at leading colleges and universities near company installations.

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(1) Boeing's new short-range 737 jetliner. (2) Variable-sweep wing design for the nation's first supersonic commercial jet transport. (3) NASA's Saturn V launch vehicle will power orbital and deep-space flights. (4) Model of Lunar Orbiter Boeing is building for NASA. (5) Boeing-Vertol 107 transport helicopter shown with Boeing 707 jetliner.

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Outing Club gives parachuting lecture

The MIT Outing Club will present Mr. Nathan G. Pond, manager of Parachutes Incorporated, in a one hour lecture on the sport of parachuting Monday. The talk will be during the regular 5 p.m. meeting of the club in room 491 of the Student Center. Mr. Pond will also show movies.

CAREERS IN STEEL



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February 28

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Employer in the Plans for
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**BETHLEHEM
STEEL**

Students advised to discuss plans

(Continued from Page 3)

the problem of expense.

A student seriously considering a year overseas must first make a very clear and careful decision about his objective for going. Next he must decide where he should go and in general what his program should be; here it is strongly recommended that he have a discussion with the head of his department.

The Foreign Study Adviser would be very glad to discuss the problems of the operation of formal study programs in Europe with students who are interested.

Pistol team whips UMass defeats Merchant Marine

By Jim Yankaskas

Since last term the pistol team has scored two wins. The pistolmen out-shot their opponents from Massachusetts and from Merchant Marine Academy by scores of 2095-2052 and 2095-2006, respectively. These wins left them with a 2-5 record for the interval.

In this area the team was defeated by Army and by Lynn. On a trip south the team met Villanova, Navy, and Coast Guard, but came back winless.

The team lost to Villanova in spite of the high quality performance of Denny Swanson, the team's best shooter. In that meet Denny turned in a score of 280 of 300 possible. Also on the team are John Reykjalin, Gary Pankey, Chris Egolf, and Mike Demanche.

Practice is now underway to sharpen up for the National Intercollegiate Sectional Match, coming up at Army next week. Schools from all over Northeastern United States will partake in the competition.

Excavation started

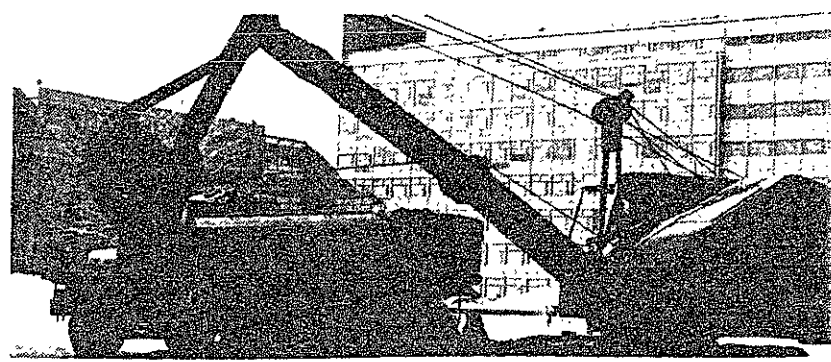


Photo by Desmond Bo

Digging was begun this week for McDermott Court and new chemistry building to be built opposite East Campus. 'Big Sail,' a forty-foot sculpture by Alexander Calder, will highlight the new court.

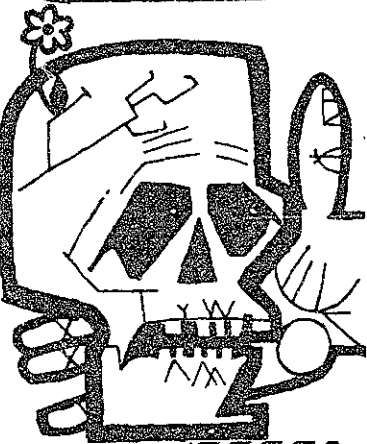
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So don't miss your IBM interview. Visit your placement office and sign up now. If for any reason you can't make it on campus, feel free to visit your nearest IBM branch office. Or write: Manager of College Relations, IBM Corporate Headquarters, Armonk, N.Y. 10504.

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IBM
DATA PROCESSING DIVISION

Ten year Soviet program reverts to policy of 1958

(Continued from Page 5)

tended from ten years to eleven with an emphasis on technical study, admission requirements for higher education were raised, and two year practical experience before college was required. Eighty percent of college freshmen were supposed to be admitted on the basis of practical experience. This seriously hampered advanced studies and proved unworkable.

Ten-year program

The 1965, policy reverted to pre-1958 premises. Now high school seniors take different entrance exams than those with two years experience and are admitted on a different basis. An unusual consequence of reverting to a ten-year high school education is that there will be two graduating classes in 1966, a difficult administrative problem.

The nature of a centrally administered educational system creates difficulties in manpower planning to set quotas for different fields. For example, an average student will leave high school at 18, work until 20, and go to college until 25, work until 27, and receive his graduate education until 30. The long span of years creates difficulties in projecting accurately the number of computer technicians needed in a few years because they must start their education in the present.

Limited view

In summary, Prof. Korol and Prof. Dahl tried to put their observations into proper perspective. Their short visit limited the number of schools they could see, and it is hard to judge anything on less than a one percent sampling.

This sampling was not arbitrary, as they saw only the best schools in the USSR, such as the world famous Moscow Higher Technical School (Bauman).

The fact that there is a national course for all subjects in all

schools, a standard number of class hours, and uniform admissions requirements makes it much easier to study the Soviet system, however, than the non-uniform system of the United States.

Evolutionary change

In contrast, it is interesting to note the evolution in each country's educational process. The USSR began overspecialized and today is consolidating while the US is drawing towards specialization.

Both countries, it may be said, are the most dedicated in the world toward education for all, even though their methods are not the same. As Prof. Dahl said, "The Russian system is an intelligent, bureaucratic attempt."

Kites displayed

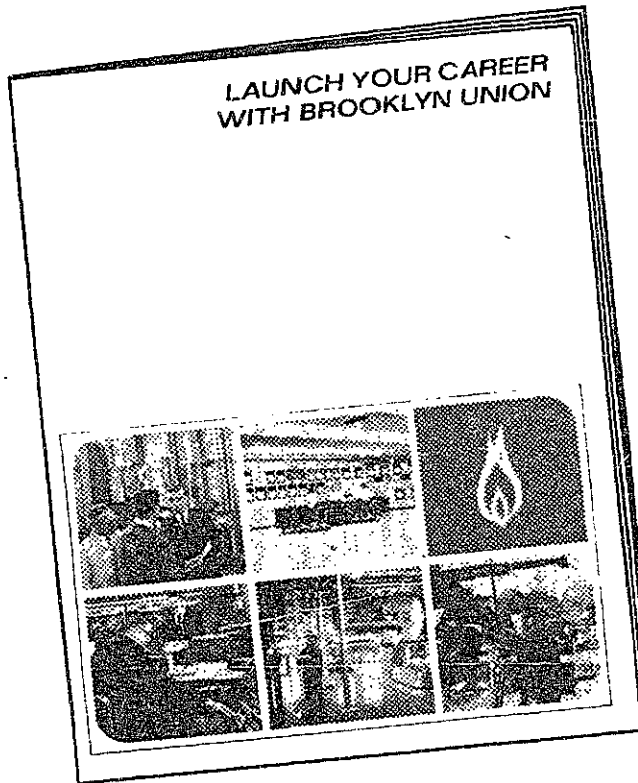


Pictured above is the kite exhibit which the MIT Chinese Students' Club is displaying in the Main Lobby of the Student Center. The kites are from Taiwan, and form a colorful display of traditional Chinese Culture. Also in the Student Center, tomorrow, the Chinese Students' Club will hold its Annual Chinese New Year Ball.

Engineers and Accountants:

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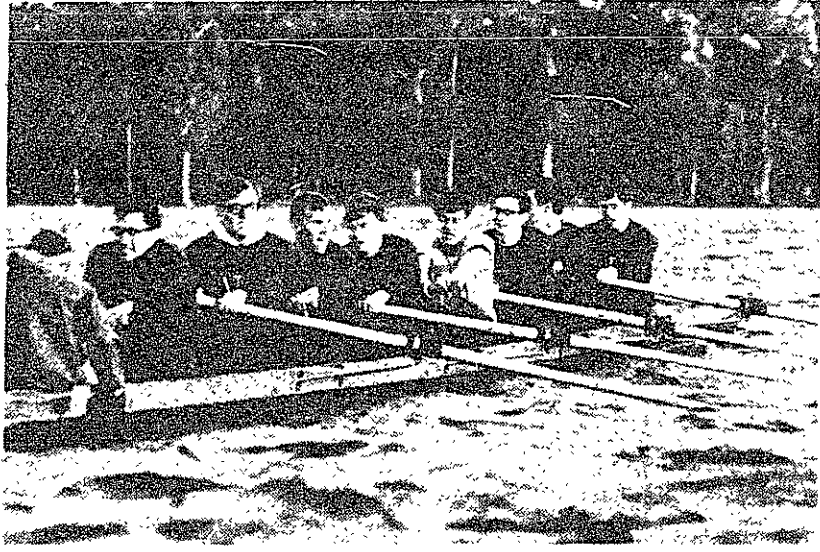
Wrestlers beat UMass; face Coast Guard next

By Tony Lima

The Tech wrestlers completely dominated the meet in winning over University of Massachusetts Wednesday. The Techmen scored 28 points to UMass's 14. In the 123 lb. class, the grapplers started on the right foot when John Harris '68 won his match with a pin in 1:45. This was the quickest pin of the meet. Not to be outdone, John Reynolds '67 pinned his man in 4:36 in the 130 lb. match. In the 137 lb. class, Whitey Whiteman '66 pinned his man in 2:47. This is Whiteman's seventh win of the season, as opposed to one loss.

Tim Connelly '66 didn't fare as well in his 145 lb. match, losing to Jesse Brogan 9-0. But Norman Hawkins '68 came back in the 152 lb. class to win 6-0. In the 160 and 177 lb. classes, John Fishback '68 and Henry DeJong '67 lost on points. Brook Landis '66 pinned his man in the 167 lb. class, as did Dave Schramm '67 in the unlimited. For Schramm, it was his eighth win against no losses and no ties. MIT's hopes suffered a blow when Al Landers '67 was sidelined for the rest of the season with a knee injury last week. The grapplers' next meet is at home tomorrow against Coast Guard.

Heavies win 3 down South



Rifle team romps over BU

By Russ Mosteller

The MIT Rifle team trounced another Greater Boston League opponent Monday, besting Boston University 1251-1218. Putting frosting on the cake, Charlie Morantz '67 had our third highest individual total of the year, shooting a 261.

Supporting Morantz were Tom Hutzleman '67, who shot a 252, Dick Koolish '68 (247), Dennis

Artman '68 (246), and Steve Walther '66 (245). The only individuals to top Morantz' score this year were Artman and Andy Sherman '67, who shot 263 and 262, respectively, against Wentworth.

The riflemen will have two meets this weekend. They will shoot against Wentworth here this evening and then travel to the Coast Guard Academy tomorrow for the Coast Guard Invitational.

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Burton, NRSA, ZBT head field in IM hockey

The intramural hockey playoffs continue this week with the winners bracket games being played today. Heading the list of first-round winners are undefeated Burton and defending champion NRSA, along with ZBT, SAM, LXA, SAE, Fiji and Baker. Burton was the only undefeated team during the regular season, but is tied by Fiji, which rates as

a contender. ZBT and NRSA should also be strong, both suffering close regular season losses to Burton.

The Sunday schedule begins at 5 p.m. with the Burton-Baker game, followed by ZBT vs SAM, NRSA vs LXA, and SAE vs Fiji.

IM Hockey Results and 2nd round schedule

First round:

SAE 15—Theta Chi 2
NRSA "A" 7—Sigma Chi 1
ZBT 9—NRSA "B" 0
Burton 22—Senior House 0
Fiji 1—Ashdown 0 (forfeit)
LXA 8—SigEp 0
SAM 9—Chi Phi 1
Baker 11—DU 1

Second round:

NRSA vs Chi Phi
Senior House vs DU
Theta Chi vs Ashdown

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Fencers lose to Harvard, 20-7; Rothberg wins two of three matches

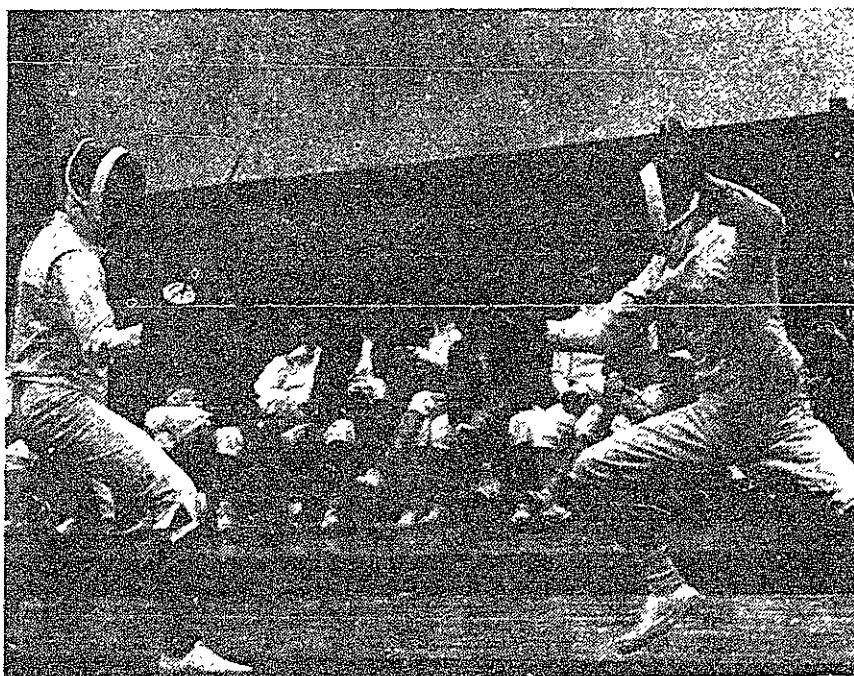


Photo by Jeff Reynolds

Peter Asbeck '68 is shown here on the defensive in the recent meet with Harvard. In a close match Asbeck lost by two, 5-3. Stale performances by nearly all the engineers resulted in a 20-7 loss to the Crimson. This was the first meet in nearly two months.

Coming back to competition stale after a long layoff for finals and intercession and meeting one of their toughest foes of the season, the MIT fencing team dropped a 20-7 decision to Harvard in a home meet.

Harvard completely dominated the match, winning six of nine epee matches, seven of nine saber matches and seven of nine foil matches. Most of the matches were very close but the Tech fencers just could never score that fifth touch when the chips were down.

One bright spot for the Techmen was Burton Rothberg '68. Burt was a foil man before this match and had won eleven of his twelve previous matches. Switching to epee for this meet, he won two of his three matches, a remarkable feat.

The team's next match is away against Army tomorrow. Perhaps the squad will regain its winning form again. Up to now the team had only lost two games and it should go on to a successful season, even against the top teams in the east on their schedule like CCNY. Their season is climaxed by the New England meet March 2.

IM volleyball begins; squash, pool planned

The second round of winter IM sports is getting underway with competition in volleyball already begun. Badminton, squash, and an experimental pocket billiards tournament are also planned. The MIT individual pocket billiards championship to begin shortly is to be used as an indicator of the enthusiasm for an IM season.

Wayne Moore '68 has a 90 team field in vying for the volleyball crown. Burton House alone is represented by 19 teams. Certainly the greatest in size, this season also promises to be the most exciting ever.

Also coming up shortly is the badminton season. IM manager John Sparks '68 expects about 30 teams to begin competition Sunday. They will be organized into 4 leagues. IM squash and pocket billiards are scheduled to begin in March.

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Benchwarmer

Jansson named ECAC sophomore of the week

By Tom Thomas

Dave Jansson '68—pictured at right—has been named sophomore of the week by the Eastern Athletic Conference All-East College division basketball selection committee. His 77 point output in the Beavers' intersession road trip earned him this recognition. The slim 6'4" native of Manitowoc, Wisconsin, scored 16, 26, and 35 points in the three contests. In his finest performance of the season, young Jansson bucketed the engineers' last 5 points to tie up the Coast Guard in regulation time. He then proceeded to chalk up 9 of the 13 MIT markers in overtime as Beavers racked up their third straight 84-77.

Dave has a habit of playing with a winner. In his last two years of high school, the soph flash played in the state finals, his team winning once. He appears not to have lost this habit as coach Barry's crew boasts a 15-5 record. Although only in his



Dave Jansson '68

first varsity season, Jansson has been the steady element in the Beaver lineup. He is heavily counted on as a scorer, rebounder, and ball-handler. It looks as though MIT basketball fortunes will stay on the rise with this young man in the line-up.

MIT basketball suffered their greatest blow Tuesday when it was disclosed that forward Bob Hardt '67 has been sidelined for the season. This latest diagnosis must dim Tech hopes for a berth in the NCAA Regional. The biggest hurdle for the Beavers appears to be the Northeastern game at Northeastern next Wednesday. Big Bobby's hustling play will be sorely missed as well as his 16.6 points per game and 12.3 rebounds.

The Greater Boston Indoor Track meet will be held in the cage this weekend. (See article elsewhere). Admission will be \$1 for everyone; one ticket will entitle the fan to see the action both days. Publicity Director Pete Close promises plenty of action and broken records. Several MIT thinclads should be fighting for individual honors.

Notes

... Don't forget the pocket billiards tourney in the Student Center Sign-ups will continue in the bowling lanes, closing tomorrow. Jack Rector '68, tournament director, has received over 40 entries to date. ... Coming up in March are the New England wrestling championships here at MIT. Will Chassey's grapplers with a 6-4 log should be among the contenders. ... Congratulations are in order for sailing coach Joe Duplin's Bacardi Cup championship in Miami. A former world champion, Duplin moved into his present position in 1965.

Athletic Association considers possibility of varsity football

The two main items of business at the recent Athletic Association meeting were nominations for new officers and a discussion of football's future at MIT. The meeting opened with an announcement that two new IM sports had been added: water polo and pocket billiards. This brings the total IM program to 19 sports.

The nominations are as follows: President—Greg Jerrell '67 and George Jones '67. The only nomination for secretary was Gerry Banner '68.

The discussion of football centered around three points. The first to be brought up was that football would detract from other sports, because of the number of men needed to form a team. But it was also pointed out that there are quite a few potential football players at MIT who do nothing in the way of athletics in the fall. Football would also take a large amount of space which is presently used for IM practice and fall practice in spring sports. But it was felt that the people who practice regularly for IM football would probably want to go out for the varsity football team. On this note, the meeting was adjourned. Final decision on football will rest with the Athletic Advisory Board meeting next week.

Cagers down Hartford, 62-58

By John Kopolow

MIT's varsity cagers slipped past Hartford College Tuesday night by the score of 62-58. It certainly was not one of the Beavers' better performances of the year but the hustling Hartford team simply could not match Tech's superior personnel.

The opening minutes of the contest were marked by sloppy play on both sides. Guard Bob Ferrara '67 scored the first four points for MIT with two 20 foot jump shots. But then the smaller Hartford club began outthrusting the Beavers off the backboards and slowly pulled away to a 12-8 lead with 13:20 left in the first half.

Hawks slow down play

With this slim lead, the Hawks began to slow up their offense, keeping the ball on the outside and trying to break loose their star guard, Gary Palladino, who has been averaging 26 points per game. However, Tech's zone defense prevented them from getting the ball into Palladino, while two field goals by Dave Jansson '68 and a jumper by senior Jack Mazola gave MIT a 22-19 advantage with 5 minutes remaining in the half. Ball control errors stymied the Beavers' offense for the remainder of the period as Hartford came back to tie at half-time, 23-23.

At the start of the second half the Hawks' conservative style of offense proved to be even more effective. As MIT was overplaying Palladino, Hartford forward Larry Murphy broke loose for three buckets; with 12 minutes left to play Tech trailed, 35-30.

Wilson penetrates zone

At this point the Beavers found a way to break through their opponents' zone defense effectively—they began to hit center Alex Wilson '67 in the low post, and Wilson picked up several two-pointers. A jump shot by John Flick '66 put MIT in the lead 38-37 with 8:30 remaining, but the ball game was still far from over.

Hartford could no longer afford to take their time on offense, but several Palladino jumpers kept them close. It finally took 4 free throws by Ferrara and 2 by Wilson in the final minute to ice the 62-58 victory.

Tech outrebounded

Both of MIT's leading scorers, Wilson and Jansson, were below their season's scoring averages with 20 and 15 points each. The Beavers, who had been outrebounding their opponents by eight per game, also had a poor night under the boards gathering 30 to 40 for a shorter Hartford five.

The Beavers will be hoping to put on a better showing before their home fans tonight when they

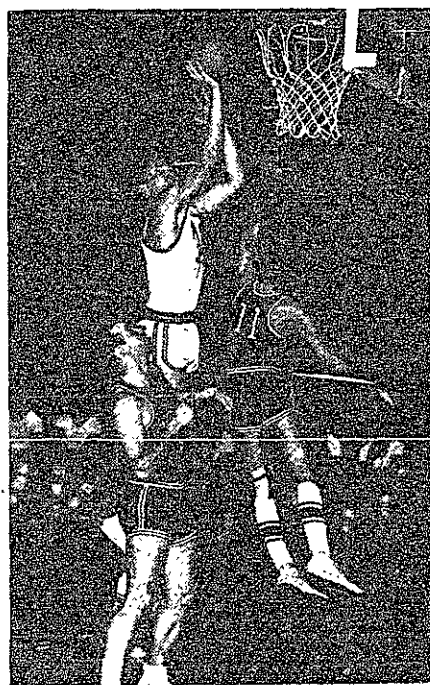


Photo by Desmond Booth

Alex Wilson '67 taps in a rebound for two points in the Hartford College game. He added 7 more field goals and 4 from the charity stripe to total 20 for the night, leading the Beavers past the Hartford Hawks in the closing seconds.

take on the New York Maritime Academy in Rockwell cage at 8:00 pm.

	fg	ft	pts	Hartford	fg	ft	pts
MIT	8	4	20	Palladino	11	2	24
Wilson	5	5	15	Murphy	6	3	15
Jansson	6	2	14	Foley	6	0	12
Mazola	2	2	5	Kwash	1	3	5
Ferrara	1	0	2	Kane	1	0	0
Flick	1	0	2	Massey	0	0	0
Santini	1	0	2				
MIT Totals	23	16	62	Totals	25	8	58
Hartford					23	35	58

PMD captures IM bowling title

The finals in intramural bowling were completed just before intercession as Phi Mu Delta won the IM championship by defeating Theta Chi in the final match of the double elimination tournament. PMD, needing but one win to clinch the tourney, dropped the first, losing both games in the series, but they rallied in the second to win with fine scores of 573 and 551 compared to 536 and 518 for Theta Chi.

Other teams finishing in the top eight are: Baker "A", Burton I and III, Senior House, TEP and SikEp "A". Members of the winning Phi Muds are Mike Scott '67 who also had the high game for the season with a 276, Jack Yeasley '66, and Corky Strong '68. Corky also had the high average and high series with 195 and 635, respectively. Members of the second place Theta Chi team were Tom Penn '68, Jim Pugh '68, and Dan Anderson '69. Oan also had the third highest average with 185.

PMD	90
TO	72
Baker "A"	58
Burton I	46
Burton III	37
Senior House	31
TEP	25
SikEp A	19
AEP	15
Baker "B"	13
Burton V	9

Harvard favored

By Tony Lima

MIT will host the seventh annual Greater Boston Indoor Intercollegiate Track and Field championship today and tomorrow in Rockwell Cage. Harvard, the defending champion in both freshman and varsity, is heavily favored to repeat this year. However, Harvard should meet a stiff challenge from Northeastern, which has a string of 26 straight undefeated dual meets. Harvard itself boasts a 20 meet string.

Tech coach Art Farnham has several hopes for blue ribbons in this meet. In the 35 lb. weight competition, MIT's Gordon DeWitte '67 poses a threat to Boston College's John Fiore, the favorite. DeWitte's best this year is 56'2". Other possibilities in this event are Boston University's Dan Levangie and Boston College's Jim Kavanagh. The record for this meet is 60'7", but Fiore has already done better than 60' this year.

Senior co-captain Sumner Brown will be MIT's greatest hope in the mile, two mile, and 1000 yard run. Brown has done a 2:20 for the 1000, a 4:23 mile, and a 9:42 two mile. He stands his best chance in the 100 yard event, in which Northeastern's Jim O'Shaughnessey is defending champion. Also ranked as possibilities to upset O'Shaughnessey are Harvard's Bill Burns, who holds the Harvard varsity record, and Northeastern's Tom Hall. The 25 meet record is 2:16.9, but this should fall easily.

In the pole vault, the Techmen have high hopes, with Steve Sydoriak, '68, rated as one of the top two contenders. He will meet his perennial rival, Harvard's Steve Schoonover. In the recent New England AAU indoor championships, Sydoriak came out on top with a 13' 9 3/4" performance. This was a new MIT varsity record, and broke the existing New England AAU record. The G.B.C. record is 13'5", but both men have bettered that this year.

There will be over 335 entries from varsity and freshman teams from the seven Boston area

MIT hosts GBC meet

schools entered. There will be five defending champions entered. The competition will start this afternoon with the varsity 35 lb. weight throw at 1:30, followed by the freshman field events beginning at 2:15. Tomorrow, the varsity field events begin at 10 a.m. and continue until noon. These include the high jump, broad jump and pole vault. At 2:00 p.m., the track finals for both varsity and freshmen begin with the one-mile event. Following these are the 50 yd. dash, 600 yd. run, 45 yd. high hurdles, 2-mile run, 1000 yd. run, 45 yd. low hurdles, and 1-mile relay.

How They Did

Basketball	
MIT 62, Hartford (V) 58	
Wrestling	
MIT 28, U.Mass (V) 14	
Swimming	
MIT 60, Holy Cross (V) 34	
Fencing	
Harvard 20, MIT (V) 7	
Rifle	
MIT 1251, Boston U. (V) 1218	

Mermen victors, 60-34

By Dave Lyon

The MIT varsity swimming team dominated eight of eleven events in route to a runaway victory over Holy Cross Wednesday at the Alumni pool. Starting off with victories in the first three events, the Techmen were never behind and completely swept four events. In the 400 medley relay, MIT won with a good time of 4:13.4. John McFarren '68 and Dave Benbassat '67 finished one-two in the 200 freestyle, and immediately afterward captain Mike Crane '67 and John Wrigley '67 finished one-three in the 50 yard freestyle.

Diver Dan Gentry '68 took the diving and McFarren captured his second victory of the day in the 100 freestyle with a time of 52.0. Rich Cockerill '66 won the 200 backstroke touching out teammate Jay Goodman '66. Dave Benbasset swam to victory with a 5:49.0 in the 500 yd. freestyle. Larry Preston '68 and Roger Rasmussen '66 swept the 200 breaststroke for MIT's last victory. Final point totals stood at MIT 60, Holy Cross 34.

Considering that this was the first meet since intercession, the team seems to be performing well.

This overwhelming win boosted the mermen's derson '69. Dan also had the third highest average game skid. Fred Solomon '68 proved to be a disappointment as one bad dive dropped his total. Coaches Balterman and Michaels will send their men against Trinity tomorrow in search of victory number four.

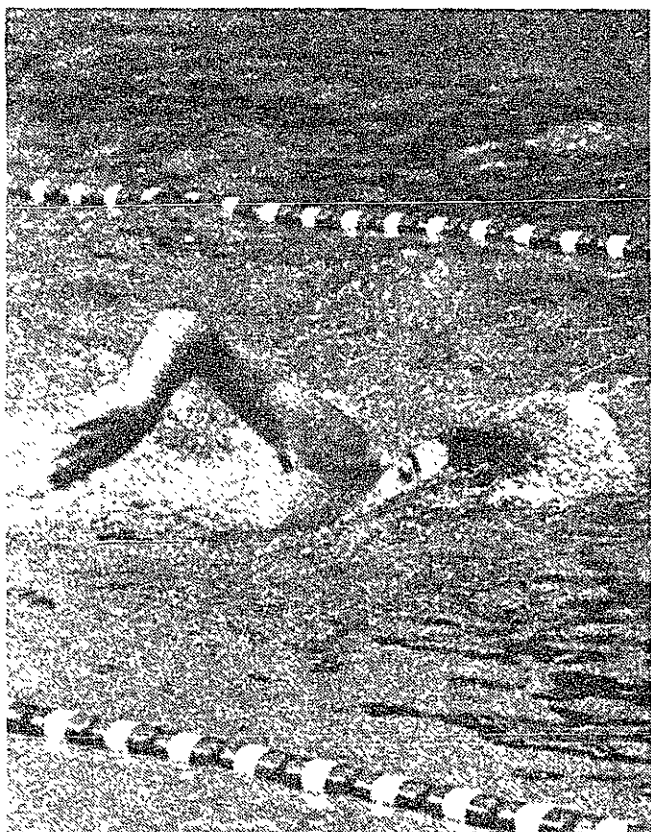


Photo by Jeff Reynolds

John McFarren '68, MIT's ace freestyler, is shown here finishing first in the 200 yd. freestyle against Holy Cross. His time was 1:59.4.

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